

EXERCISES ON FUNCTIONS

PRACTICE EXERCISE

1. TYPE THE FOLLOWING DATA & FIND SUM, AVERAGE & PRODUCT (ROW WISE & COLUMN WISE).

COLUMN A	COLUMN B	COLUMN C	COLUMN D
1991	23	36	10
1992	45	43	20
1993	72	48	30
1994	81	67	40
1995	90	72	50
1996	10	22	60

2. USING FUNCTION FIND THE FOLLOWING?

A) FIND THE COS, SIN & TAN VALUES FOR THE FOLLOWING?

DEGREES	COS	SIN	TAN
30			
45			
60			
90			
180			
360			

3. FIND THE MODULES VALUE FOR THE FOLLOWING NUMBERS WITH DIVISORS

(3, 4, 5)

12 10 25 625 4590

- 4) FIND THE SQUARE ROOT OF THE FOLLOWING NUMBERS

625 10000 100 25 788

- 5) FIND THE MAXIMUM & MINIMUM NUMBER FOR THE FOLLOWING?

543654 578755 55675 578758 5787876
59797

- 6) TYPE THE FOLLOWING TEXT & FIND NUMBER OF CHARACTERS?

MINISTRY OF EDUCATION
ASMARA TECHNICAL SCHOOL
COMPUTER SCIENCE AND ENGINEERING

PRACTICE EXERCISE

- 1) TYPE THE FOLLOWING NUMBERS AND COUNT HOW MANY NUMBERS IN THE CELLS

345 67 89 68 90 45 98

- 2) TYPE THE FOLLOWING NUMBERS AND FIND THE MAXIMUM AND MINIMUM NUMBERS.

5637 7345 7834 5434 8572 1234 9856

- 3) TYPE THE FOLLOWING NUMBERS AND FIND THE FACTORIAL VALUE.

10 9 8 7 6 5 4

- 4) CONVERT THE FOLLOWING RADIANS TO DEGREES.

5.4 6.7 4.5 2.3 1.2 3.5 7.8

- 5) CONVERT THE FOLLOWING DEGREES TO RADIANS.

30 45 60 90 180 240 360

- 6) FIND THE SQUARE ROOT VALUES OF THE FOLLOWING NUMBERS.

12 10 25 36 90 121 150

- 7) FIND THE MODULUS VALUE OF THE FOLLOWING NUMBER FOR THE FOLLOWING DIVISORS (2, 3).

12 10 25 36 90 121 150

- 8) FIND THE ABSOLUTE VALUE OF THE FOLLOWING NUMBERS.

384.836 -1238.35 244.857 -2349.45 8325.76 -
8455.47

- 9) TYPE THE FOLLOWING NUMBERS IN NUMBER FORMAT.

3846.85 8796.856 8345.865 8764.487 4857.487
8572.34

- 10) TYPE THE FOLLOWING NUMBERS IN CURRENCY FORMAT.

3846.85 8796.856 8345.865 6764.487 4857.487
8572.34

- 11) TYPE THE FOLLOWING NUMBERS IN PERCENTAGE FORMAT.

3846.85 8796.856 83453.865 8764.487 4857.487
8572.34

- 12) TYPE THE FOLLOWING NUMBERS IN SCIENTIFIC FORMAT

3846.85 8796.856 8345.856 8764.4874857.487 8572.34

- 13) FIND THE DIFFERENCE DAYS BETWEEN DATES GIVEN BELOW

3/5/1998 3/6/2002
9/7/1999 4/5/2001

- 14) DISPLAY TODAY'S DATE

15) TYPE THE FOLLOWING TEXT AND FIND THE NUMBER OF CHARACTERS PRESENT.
FIND LEFT MOST CHARACTER AND RIGHT MOST CHARACTERS

ASMARA TECHNICAL SCHOOL IS MY TECHNICAL SCHOOL WHERE I
AM STUDYING COMPUTERS SCIENCE.

PRACTICE EXERCISE

1) FROM THE FOLLOWING DATA, CHECK AND DISPLAY “PASS” OR
“FAIL”.

MINIMUM PASS MARK IS 50.

ROLL NO	MARK	RESULT
101	65	
102	34	
103	65	
104	45	
105	89	

2) TYPE THE FOLLOWING NUMBERS AND FIND THE FACTORIAL
VALUES.

10 3 6 9 8 4 5

3) TYPE THE FOLLOWING NUMBERS AND FIND SQUARE ROOT
VALUES.

78542 525 11000 89 567 789

4) FIND THE MODULES VALUES FOR THE FOLLOWING NUMBERS
WITH

DIVISORS (2, 5, 7)

25 789 48 2561 8900 4573

5) CONVERT THE FOLLOWING RADIANS TO DEGREES

5.4 6.8 120.00 0.5 3.5 20.00

6) CONVERT THE FOLLOWING DEGREES TO RADIANS

30⁰ 45⁰ 60⁰ 90⁰ 120⁰ 180⁰ 360⁰

7) TYPE THE FOLLOWING NUMBERS AND ROUNDED UP TO 3
DECIMAL PLACE

728.8957 20.9768 1.5679 20.78950
0.67898 252.6666

8) TYPE THE FOLLOWING TEXT AND CONCATENATE

MICROSOFT POWER POINT PRESENTATION
MICROSOFT EXCEL WORK SHEET
MICROSOFT WORD DOCUMENT

9) TYPE THE FOLLOWING TEXT AND FIND THE NUMBER OF CHARACTERS

MICROSOFT OFFICE APPLICATION
COMPUTER PROGRAMING
INFORMATION TECHNOLOGY

PRACTICE EXERCISE

1) FIND THE MAXIMUM AND MINIMUM OF THE FOLLOWING

7668945 7454335 7123442
7086412 7668954 7425542

2) CHANGE THE FOLLOWING NUMBERS TO SCIENTIFIC FORMAT

10000 58775 800053 326781
483220

3) TYPE THE FOLLOWING DATA USING PERCENTAGE FORMAT

1000% 600,000% 890% 20,560% 7890%

4) TYPE THE FOLLOWING DATA USING FRACTION

1/5 1/16 21/29 312/741 61/247

5) TYPE THE FOLLOWING DATA USING NUMBER FORMAT

-3458, 67091 6784,500181 -100, 00

6) TYPE THE FOLLOWING TEXT USING FONT

ASMARATECHNICAL SCHOOL (SIZE 20, COLOR PINK, BOLD, ITALIC)

TYPE YOUR NAME (SIZE 20, COLOR RED, BOLD)

7) TYPE THE FOLLOWING TEXT USING ALIGNMENT.

MENDEFERA (60⁰) SCHOOL (-30⁰)

8) TYPE THE FOLLOWING DATA AND CREATE COLORFUL BORDERS WITH PATTERNS

YEAR	PLACE	MALES	FEMALES
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1995	ASMARA	3400	4200
1996	KEREN	2000	1500
1997	NACFA	2500	2600
1998	MASSAWA	3200	2875

IN THE BORDER LEFT (PINK), RIGHT (RED), TOP (GREEN),
BOTTOM (BLUE), AND INSIDE (ROSE).

- 9) SOLVE THE FOLLOWING
- $\frac{1}{2} + \frac{3}{4} + \frac{1}{16} + \frac{2}{3}$
 - $\frac{131}{400} + \frac{123}{781}$
 - $\text{SQRT}(10000) * \text{FACT}(5)$

PRACTICE EXERCISE

1. TYPE THE FOLLOWING DATA AND FIND THE PRODUCT OF COLUMN A & COLUMN B.

COLUMN A	COLUMN B	PRODUCT (A&B)
12345	34678	
456	789	
5678	6789	
12	56	
7890	5600	
56790	57890	
45	56	
1000	100	

2.. TYPE THE FOLLOWING DATA AND FIND THE AVERAGE

NAME	PRODUCTION
ASMARA	123,456
MASSAWA	45,678
NACFA	67,789
NEFASIT	7,789

3. CREATE THE FOLLOWING SERIES

- STARTING VALUE = 245
STEP VALUE = 16
STOP VALUE = 500
CREATE A LINEAR SERIES
- STARTING VALUE = 800
STEP VALUE = -17

STOP VALUE = 520
CREATE A LINEAR SERIES

- (C) START VALUE = 2
STEP VALUE = 3
STOP VALUE = 100
CREATE A GROWTH SERIES

4. USING FUNCTIONS, FIND THE FOLLOWING VALUES

- (A) $\cos 60^\circ$
(B) FACTORIAL VALUES FOR 3, 5, 7 & 9
(C) SQUARE ROOTS FOR 625, 715, 900 & 1600

5. CALCULATE MODE FOR THE FOLLOWING VALUES

3,5,6,7,8,4,5,3,8,3,5,3,8,3,9,3,1,3,2,3,10

6. CALCULATE THE MEDIAN FOR THE FOLLOWING NUMBERS

- (A) 7, 10, 5, 30, 20
(B) 20, 5, 10, 40, 8, 50

7. TYPE THE FOLLOWING USING TABLE

YEAR	PRODUCT	PRODUCTION	SALES
1993	COMPUTERS	100,900	51,000
1994	CARS	200,112	159,000
1995	SCOOTERS	112,115	110,110
1996	SCANNERS	25,000	18,900

FIND THE AVERAGE OF PRODUCTION AND SALES

PRACTICE EXERCISE

1. TYPE THE FOLLOWING DATA AND FIND SUM, AVERAGE, & PRODUCT (ROW WISE AND COLUMN WISE)

COLUMN A	COLUMN B	COLUMN C
10	20	30
22	44	88
31	21	11

51	62	71
123	167	182
311	412	516
100	200	300
11	33	66

2. TYPE THE FOLLOWING DATA AND FIND SUM, AVERAGE, & PRODUCT (ROW & CO. WISE) USING Σ

COLUMN A	COLUMN B	COLUMN C	SUM	PRODUCT
311	512	615		
800	10	3		
789	685	422		
20	30	40		
342	578	70		
501	702	903		
5	7	9		

3. TYPE THE FOLLOWING DATA FROM ROW 30, COLUMN A

YEAR	PLACE	JANUARY	FEBRUARY
1991	ASMARA	233.01	
1992	ASSAB	123.67	
1993	MASSAWA	241.00	
1994	KEREN	90.01	
1995	NACFA	178.21	

DO THE FOLLOWING INSTUCTIONS

- COPY (DUPLICATE) COLUMN B TO COLUMN F
- MOVE COLUMN C TO COLUMN E
- MOVE THE ROW 34 TO ROW 37
- TYPE (1997 MENDEFERA 148.70 173.21) IN ROW 34

PRACTICE EXERCISE

1. TYPE THE FOLLOWING DATA

YEAR	SCHOOL	PASSED	FAILED
1992	RED SEA	3124	1200
1993	BARKA	5200	1575
1994	HALAY	4367	980
1995	ASMARA	825	130

- DELETE THE ROW OF 1993

(b) INSERT THE COLUMN INBETWEEN 1991 AND 1992 AND
TYPE THE FOLLOWING MALES 4012 3800 3200 685

2. FILL THE SERIES USING (FILL, LEFT, RIGHT, UP, DOWN)

(a) TYPE THE NUMBER 45678 IN ROW 40 COLUMN A, DRAG
THE CELLS DOWN TO ROW 49 AND FILL THE SERIES

(b) TYPE THE NUMBER 500 IN ROW 50, COLUMN A, DRAG THE
CELL RIGHT TO COLUMN H AND FILL THE SERIES

(c) TYPE THE NUMBER 2000 IN COLUMN H, ROW 40, DRAG THE
CELLS LEFT TO COLUMN B, ROW 40 AND FILL THE SERIES

(d) TYPE THE NUMBER 3333 IN COLOUMN B, ROW 49, DRAG
THR CELLS UP TO COLUMN B, ROW 41 AND FILL THE
SERIES

3. FILL THE SERIES USING (FILL, SERIES, LINEAR, GROWTH, AUTOFIL,
DATE)

STARTING NUMBER = 200

STEP VALUE =-10

STOP VALUE= 10

(USE LINEAR)

STARTING NUMBER = 5

STEP VALUE =-3

(USE GROWTH)

STARTING DATE = 30-03-2000

STEP VALUE = -3

(DECREASE MONTH UP TO 10 CELLS)

STARTING NUMBERS = -3 AND 5 (USE AUTO FIL)

PRACTICE EXERCISE

1. TYPE THE FOLLOWING DATA FROM ROW 20, COLUMN A

YEAR	COUNTRY	SEPTEMBER	OCTOBER
NOVEMBER			
1991	ERITREA	433.21	586.60
1992	SUDAN	679	856
1993	DENMARK	789	890.00
1994	KENYA	721.56	790.21

1995	SOUTH AFRICA	849	900.06
1996	UGANDA	423.56	567.89

- (a) COPY (DUPLICATE) COLUMN C DATA TO COLUMN E
- (b) MOVE COLUMN A DATA TO COLUMN F
- (c) MOVE ROW 24 DATA TO ROW 27
- (d) TYPE (1994 EGYPT 348.01 567.89 621.20) IN ROW 24

2. FILL THE SERIES USING (FILL, RIGHT, LEFT, UP & DOWN)

- (a) TYPE ASMARA IN ROW 30, COLUMN A, DRAG DOWN UP TO ROW 39 AND FILL THE DATA
- (b) TYPE 5000 IN ROW 40, COLUMN B, DRAG RIGHT UP TO COLUMN G AND FILL THE DATA
- (c) TYPE 5555 IN ROW 39, COLUMN B, DRAG UP TO ROW 30 AND FILL THE DATA
- (d) TYPE ERITREA IN ROW 40, COLUMN G, ROW 35, DRAG RIGHT UP TO COLUMN B AND FILL THE DATA

3. TYPE THE FOLLOWING DATA

YEAR	WEST	NORTH	SOUTH	CENTER
1997	78.4	88.9	89.9	86.5
1998	75.6	62.5	75.5	77.4
1999	121.2	116.5	123.9	90.3

- (A) INSERT THE ROW 1996 63.5 78.6 82.5 84.2, AS FIRST ROW
- (B) INSERT THE COLUMN EAST 79.5 83.7 103.6 107.5
- (C) DELETE COLUMN YEAR