2448030\_MDS272\_L1.R

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2024-10-04

#QUESTION1  
A=10  
B=20  
#ADDITION  
A+B

## [1] 30

#SUBTRACTION  
B-A

## [1] 10

#DIVISION  
B/A

## [1] 2

#MULTIPLICATION  
A\*B

## [1] 200

#MODULUS(REMINDER)  
B%%A

## [1] 0

#QUESTION2  
#1.Add 25 and 7.  
X=25+7;X

## [1] 32

#2.Subtract 16 from 25.  
Y=25-16;Y

## [1] 9

#3. Multiply 81 by 9.  
Z=81\*9;Z

## [1] 729

#4. Divide 36 by 6.  
Q=36/6;Q

## [1] 6

#5. Find 2 raised to the power of 5.  
W=2^5;W

## [1] 32

#6. Compute the remainder when 17 is divided by 4.  
E=17%%4;E

## [1] 1

#7. Perform integer division of 25 by 6.  
R=25%/%6;R

## [1] 4

#QUESTION 3  
6 + 4 \* 2

## [1] 14

(6 + 4) \* 2

## [1] 20

10 - 3^2

## [1] 1

10 %% 3 \* 5

## [1] 5

#QUESTION 4  
#1. Square root of 625.  
sqrt(625)

## [1] 25

#2. Absolute value of -25.  
abs(-25)

## [1] 25

#3. Compute the natural logarithm of 21.  
log(21)

## [1] 3.044522

#4. Evaluate the exponential of 4.  
exp(4)

## [1] 54.59815

#QUESTION 5  
((10+2)\*(8-4))/2

## [1] 24

4+(18/(3+3))\*2

## [1] 10

12-4+6^2/3

## [1] 20

(7+3)\*( 5^2-20)

## [1] 50

#QUESTION 6  
#1  
m=matrix(1:6,nrow=2,ncol=3);m

## [,1] [,2] [,3]  
## [1,] 1 3 5  
## [2,] 2 4 6

#2  
print(dim(m))

## [1] 2 3

#3  
print(length(m))

## [1] 6

#4  
s=seq(1,10,by=3);s

## [1] 1 4 7 10

#5  
p=sort(c(5,3,9,1));p

## [1] 1 3 5 9