TASK # 01

Create a function which display your Name, Reg no, Class, Section.

Display all the things within the body of function, call the function in main.

ANSWER:

**def** display():  
 print(**"Name: aashi imran"**)  
 print(**"18\_ARID\_4378"**)  
 print(**"Class: ARID"**)  
 print(**"Section: A"**)  
  
  
**def** main():  
 display()  
  
  
**if** \_\_name\_\_ == **"\_\_main\_\_"**:  
 main()

TASK # 02

Create a function SUM in C++ which calculates the sum of 5 numbers entered by user.

ANSWER:

**def** cal():  
 sum=0  
 **for** i **in** range(5):  
 num=int(input(**"Enter number: "**))  
 sum=sum+num  
 print(**"SUM= "**,sum)  
  
**def** main():  
 cal()  
**if** \_\_name\_\_== **"\_\_main\_\_"**:  
 main()

TASK # 03

Create a function IS\_Prime which take a number as argument, return TRUE if number is prime.

Take number from user at run time.

ANSWER:

**def** IS\_Prime():  
 num=int(input(**"Enter the number: "**))  
 prime = 0  
 **for** y **in** range(2, int(num)):  
 **if** (num % y) == 0:  
 prime = 1  
 **if** prime == 0:  
 print(**"TRUE"**)  
 **else**:  
 print(**"False"**)  
  
**def** main():  
 IS\_Prime()  
**if** \_\_name\_\_== **"\_\_main\_\_"**:  
 main()

TASK # 04

Create a calculator using functions

make separate functions for each of the following operators +, -, \*, /, %

Give user choices for operator, call the required function accordingly

Answer:

**def** my\_function():  
 num1 = int(input(**"enter 1 value"**))  
 num2 = int(input(**"enter 2 value"**))  
 c1 = num1 + num2  
 c2 = num1 - num2  
 c3 = num1 \* num2  
 c4 = num1 / num2  
 choice = (input(**"select operations from +,-,\*,/"**))  
  
 **if** choice == **"+"**:  
 print(c1)  
 **elif** choice == **"-"**:  
 print(c2)  
 **elif** choice == **"\*"**:  
 print(c3)  
 **elif** choice == **"/"**:  
 print(c4)  
 **else**:  
 print(**"Invalid input"**)  
  
  
**def** main():  
 my\_function()  
  
  
**if** \_\_name\_\_ == **"\_\_main\_\_"**:  
 main()

TASK # 05

Create a function table of which take a number as argument and print the table of that number into reverse order from 12 to 1.

Answer:

**def** table(num):  
 range=int(input(**"enter range of table: "**))  
 **while** range>=1:  
 print(num,**"\*"**,range,**"="**,num\*range)  
 range=range-1  
**def** main():  
 table(5)  
**if** \_\_name\_\_ == **'\_\_main\_\_'**:  
 main()