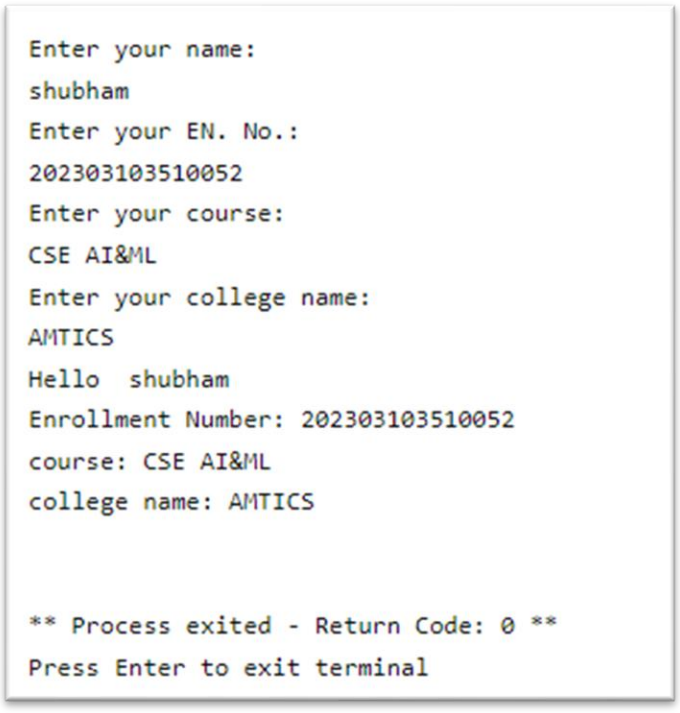
Practical-1

AIM:- WAP to print basic information of student.

INPUT:-

```
std_name=str(input("Enter your name: "))
En_no=str(input("Enter your EN. No.:"))
course=str(input("Enter your course:"))
clg_name=str(input("Enter your college name:"))
print("Hello ",std_name)
print("Enrollment Number:",En_no)
print("course:",course)
print("college name:",clg_name)
```

OUTPUT:-



Practical-2

AIM:- WAP to print basic information of student.

INPUT:-

```
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
sum_result = num1 + num2
diff_result = num1 - num2
prod_result = num1 * num2
div_result = num1 / num2
print("Sum is : ", sum_result)
print("Difference is : ", diff_result)
print("Product is : ", prod_result)
print("Division is : ", div_result)
```

OUTPUT:-

```
Enter first number:
10
Enter second number:
20
Sum is :  30.0
Difference is :  -10.0
Product is :  200.0
Division is :  0.5


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

Practical-3

AIM:- WAP to find whether the number is greater or equal from another number.

INPUT:-

```
num_1=int(input("Enter Your Number:"))
if num_1>0:
   print("Your Number Is Positive")
elif num_1<0:
   print("Your Number Is  Negative")
else :
  print("Your Number Is Zero")
```

OUTPUT:-

```
Enter Your Number:
10
Your Number Is Positive


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

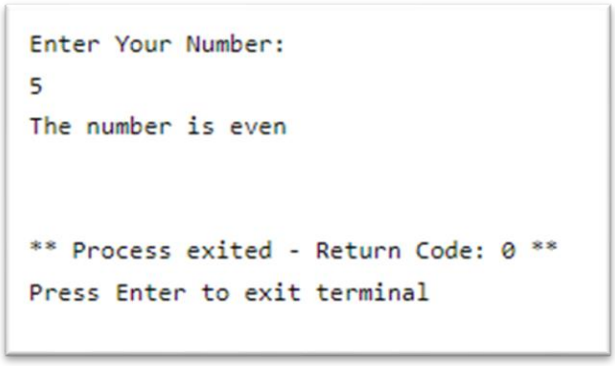
Practical-4

AIM:- WAP to check whether the number is even,odd or neutral.

INPUT:-

```
num_1=int(input("Enter Your Number:"))
if num_1%2!=0:
   print ("The number is even")
elif num_1==0:
   print ("The number is neutral")
else :
   print ("The number is odd")
```

OUTPUT:-



Practical-5

AIM:- WAP to check the given number is greater than three numbers.

INPUT:-

```
num_1=int(input("Enter Your Number:"))
num_2=int(input("Enter Your Number:"))
num_3=int(input("Enter Your Number:"))
if num_1>num_2:
    if num_1>num_3:
        print("Greatest number=",num_1)
    else :
        print("Greatest number=",num_3)
else :
    if num_2>num_3:
        print("Greatest number=",num_2)
    else :
        print("Greatest number=",num_3)
```

OUTPUT:-

```
Enter Your Number:
10
Enter Your Number:
20
Enter Your Number:
30
Greatest number= 30


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

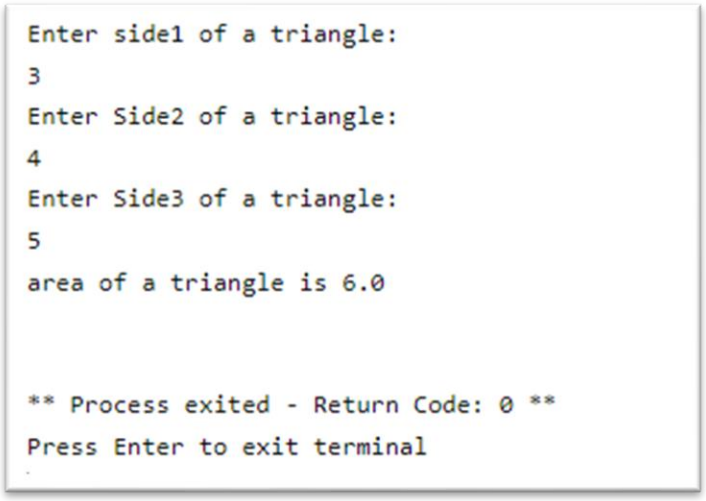
Practical-6

AIM:- WAP to find an area of a triangle.

INPUT:-

```
import math
s1=int(input("Enter side1 of a triangle:"))
s2=int(input("Enter Side2 of a triangle:"))
s3=int(input("Enter Side3 of a triangle:"))
s=(s1+s2+s3)/2
area=math.sqrt(s*(s-s1)*(s-s2)*(s-s3))
print("area of a triangle is",area)
```

OUTPUT:-



Practical-7

AIM:- WAP to swap two numbers.

INPUT:-

```
#swaping of number
num1=int(input("enter no1 : "))
num2=int(input("enter no2 : "))
num1=num1+num2
num2=num1-num2
num1=num1-num2
print("after swaping")
print("no 1=",num1)
print("no 2=",num2)
```

OUTPUT:-

```
enter no1 :
10
enter no2 :
20
after swaping
no 1= 20
no 2= 10
```

Practical-8

AIM:- WAP to print fibonaci series.

INPUT:-

```
#FIBBONACIC SERIES
t=10
a=0
b=1
n=0
print("SERIES = ")
print(a)
print(b)
while n<t:
    c=a+b
    a=b
    b=c
    print(c)
    n=n+1
```

OUTPUT:-

```
SERIES =
0
1
1
2
3
5
8
13
21
34
55
89


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

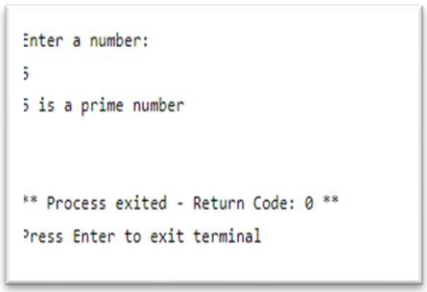
Practical-9

AIM:- WAP to check whether the number is prime or not.

INPUT:-

```
num = int(input("Enter a number: "))
if num > 1:
   is_prime = True
   divisor = 2
   while divisor < num:
      if num % divisor == 0:
         is_prime = False
         break
      divisor += 1
   if is_prime:
       print(num, "is a prime number")
 else:
       print(num, "is not a prime number")
else:
    print(num, "is not a prime number")
```

OUTPUT:-



Practical-10

AIM:- WAP to find whether the number is amstrong number or not.

INPUT:-

```
#armstrong number
no = int(input("Enter a number: "))
temp = no
sum = 0
order = len(str(no))
while temp > 0:
    digit = temp % 10
    sum += digit ** order
    temp //= 10
if no == sum:
    print(no, "is an Armstrong number")
else:
    print(no, "is not an Armstrong number")
```

OUTPUT:-