Practical 1

AIM: Write a python program to print basic details of students.

CODE :

```python
studentName = input("Name : ")
studentGender = input("Gender : ")
studentDepartment = input("Department : ")
studentNationality = input("Nationality : ")
studentCity = input("City : ")
studentSemester = input("Semester : ")
studentEnrollment = input("Enrollment : ")

print("\nName is " + studentName)
print("Gender is " + studentGender)
print("Department is " + studentDepartment)
print("Nationality is " + studentNationality)
print("City is  " + studentCity)
print("Semester is " + studentSemester)
print("Enrollment is " + studentEnrollment)
```

OUTPUT :-

```
Name : Kushal Sharma
Gender : Male
Department : Computer Diploma
Nationality : Indian
City : Rajkot
Semester : 5
Enrollment : 92100938113

Name is Kushal Sharma
Gender is Male
Department is Computer Diploma
Nationality is Indian
City is Rajkot
Semester is 5
Enrollment is 92100938113
```
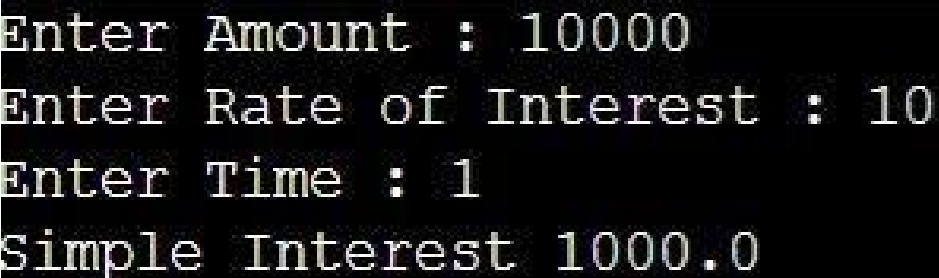
Practical 2

AIM: Write a python program to calculate simple interest.

CODE :

```
P = int(input("Enter Amount : "));

R = float(input("Enter Rate of Interest :

"));T = float(input("Enter Time : "));

SI = (P*R*T)/100;

print("Simple Interest",SI);
```

OUTPUT :-

```
Enter Amount : 10000
Enter Rate of Interest : 10
Enter Time : 1
Simple Interest 1000.0
```

Practical 3

AIM: Write a Python program which accepts the radius of a circle from the user and compute the area.

CODE :

```
import math as M
Radius = float(input("Enter Radius :"))
Area = M.pi * Radius * Radius;
print("Area Of Circle :",Area)
```

OUTPUT :-

```
Enter Radius : 7
Area Of Circle : 153.93804002589985
```
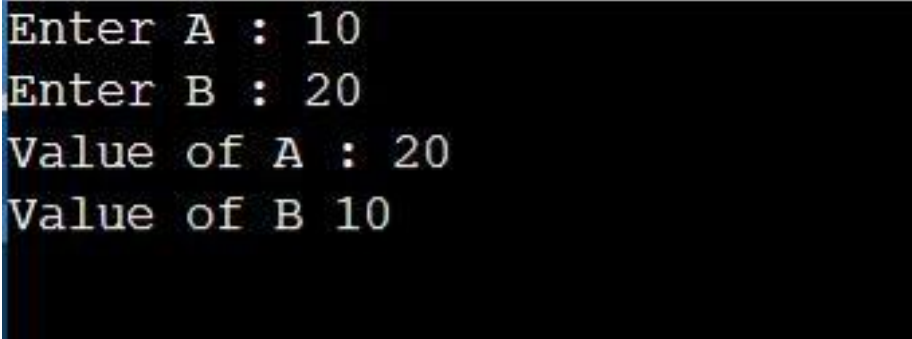
Practical 4

AIM: Write a python program that accepts two numbers in A and B interchange value of A and B variable.

CODE :

```
A = int(input("Enter A : "))

B = int(input("Enter B : "))

A,B = B,A

print("Value of A :",A,"\nValue of B",B)
```

OUTPUT :-

```
Enter A : 10
Enter B : 20
Value of A : 20
Value of B 10
```

Practical 5

AIM: Write a python program to demonstrate the use of Arithmetic operators by getting two numbers from the user.

CODE :

```python
A = int(input("Enter A : "))
B = int(input("Enter B : "))

print("Addition is ", A+B)
print("Subtraction is ", A-B)
print("Multiplication is ", A*B)
print("Division is ", A/B)
print("Modulus is ", A%B)
print("Floor Divison is ", A//B)
print("Exponent is ", A**B)
```

OUTPUT :-

```
Enter A : 10
Enter B : 5
Addition is  15
Subtraction is  5
Multiplication is  50
Division is  2.0
Modulus is  0
Floor Divison is  2
Exponent is  100000
```