

## Practical No.1

**Q1) Write a program to convert US Doller to Indian rupees.**

```
doller=float(input("Enter a Doller"))
rupees= doller*86
print("doller Converted to rupees
=",rupees)
```

**Output:**

```
Python 3.12.1 (tags/v3.12.1:2305ca5, Dec 7 2023
AMD64) on win32
Type "help", "copyright", "credits" or "license()
= RESTART: C:/Users/DYP/Desktop/py/Daller to rup
Enter a Doller 5
doller Converted to rupees = 430.0
|
```

**Q2) Write a program to convert temperature degree to Celsius**

```
temprature=float(input("Enter a
Temprature"))
celsius = (temprature - 32) * 5/9
print("temprature in celsius",celsius)
```

**Output:**

```
Type "help", "copyright", "credits" or "license()"
= RESTART: C:/Users/DYP/Desktop/py/temprature.py
Enter a Temprature 50
temprature in celsius 10.0
|
```

**Q3) Write a program to find area of circle.**

```
import math
r=float(input("Enter a radious"))
area= 3.14*r*r
print("Area of the circle is=",area)
```

**Output:**

```
===== RESTART: C:/Users/DYP
Enter a radious 5
Area of the circle is= 78.5
|
```

**Q4)Write a program to swap values of two numbers.**

```
a=10
b=20
print("Before swap=",a,b)
temp=a
a=b
b=temp
print("after swap=",a,b)
```

**Output:**

```
===== RESTART: C:/Users/DYP
=====
Before swap= 10 20
after swap= 20 10
```

### Q5)Write a program to generate

```
random numbers
import random
print(random.randint(1,10))
```

#### Output:

```
===== RESTART: C:/Users/DYP/1
1
===== RESTART: C:/Users/DYP/1
7
|
```

### Q6)Write a program to calculate area of rectangle and square

```
import math
length=float(input("Enter a length"))
width=float(input("Enter a width"))
area=length*width
print("area of the rectangle is=",area)
side=float(input("Enter a sides of square"))
sarea= side*side
print("area of square=",sarea)
```

#### Output:

```
===== RESTART: C:/Users/DYP/Desktop
Enter a length34
Enter a width23
area of the rectangle is= 782.0
Enter a sides of square5
area of square= 25.0
|
```

### Q7)Write a program to find simple interest

```
principal = float(input("Enter the principal  
amount: "))
rate = float(input("Enter the interest rate:  
"))
time = float(input("Enter the time period in  
years: "))
```

```
interest = (principal * rate * time) / 100
```

```
print("Simple Interest:", interest)
```

#### Output:

```
===== RESTART: C:/Users/DYP/Desktop
Enter the principal amount: 65
Enter the interest rate: 2
Enter the time period in years: 3
Simple Interest: 3.9
|
```