Darshan UNIVERSITY
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Python Programming - 2101CS405

Lab - 1

01) WAP to print “Hello World”

In [1]:
```
print("Hello World")
```

```
Hello World
```

02) WAP to print your address i) using single print ii) using multiple print

In [2]:
```
print("B-907\nShree Ram Township\nNr.Speedwell Party plote")
print("B-907")
print("Shree Ram Township")
print("Near Speedwell Party Plote")
```

```
B-907
Shree Ram Township
Nr.Speedwell Party plote
B-907
Shree Ram Township
Near Speedwell Party Plote
```

03) WAP to print addition of 2 numbers (without input function)

In [3]:
```
a = 5;
b = 9;
print(5+9)
```

```
14
```

04) WAP to calculate and print average of 2 numbers (without input function)

In [4]:
```
a = 9;
b = 8;
print((a+b)/2)
```

```
8.5
```

05) WAP to add two number entered by user.

In [5]:
```
a = int(input("Enter a:"));
b = int(input("Enter b:"));
print(a+b)
```

```
Enter a:5
Enter b:4
9
```

06) WAP to calculate simple interest.

In [1]:
```
p = int(input("Enter P:"));
r = float(input("Enter R:"));
n = int(input("Enter N:"));
print((p*r*n)/100);
```

```
Enter P:1
Enter R:2
Enter N:1
0.02
```

07) WAP Calculate Area and Circumfrence of Circle

In [7]:
```
r = float(input("Enter Radius:"));
print("Circumfrence Of Circle:",2*3.14*r);
print("Area Of Circle:",3.14*r*r)
```

```
Enter Radius:4
Circumfrence Of Circle: 25.12
Area Of Circle: 50.24
```

08) WAP to print Multiplication table of given number without using loops.

In [4]:
```
a = int(input("Enter No:"))
print(a,"x 1  =",a*1)
print(a,"x 2  =",a*2)
print(a,"x 3  =",a*3)
print(a,"x 4  =",a*4)
print(a,"x 5  =",a*5)
print(a,"x 6  =",a*6)
print(a,"x 7  =",a*7)
print(a,"x 8  =",a*8)
print(a,"x 9  =",a*9)
print(a,"x 10 =",a*10)
```

```
Enter No:5
5 x 1  = 5
5 x 2  = 10
5 x 3  = 15
5 x 4  = 20
5 x 5  = 25
5 x 6  = 30
5 x 7  = 35
5 x 8  = 40
5 x 9  = 45
5 x 10 = 50
```

09) WAP to calculate Area of Triangle (hint: a = h * b * 0.5)

In [9]:
```
h = float(input("Enter hight:"))
b = float(input("Enter base:"))
print("Area Of Triangle:",h*b*0.5)
```

```
Enter hight:5
Enter base:5
Area Of Triangle: 12.5
```

10) WAP to convert degree to Fahrenheit and vice versa.

In [10]:
```
c = float(input("Enter Celcius:"))
print("Fehrenheit:",c*(9/5)+32)

f = float(input("Enter Fahrenhit:"))
print("Celcuis:",(f-32)*(5/9))
```

```
Enter Celcius:5
Fehrenheit: 41.0
Enter Fahrenhit:5
Celcuis: -15.0
```

11) WAP to calculate total marks and Percentage.

In [11]:
```
sub1 = int(input("Enter marks Of Subject1:"))
sub2 = int(input("Enter Marks Of Subject2:"))
sub3 = int(input("Enter Marks Of Subject3:"))
sub4 = int(input("Enter Marks Of Subject4:"))
sub5 = int(input("Enter Marks Of Subject5:"))
print("Total Marks:",sub1+sub2+sub3+sub4+sub5)
print("Percentage:",(sub1+sub2+sub3+sub4+sub5)/5)
```

```
Enter marks Of Subject1:5
Enter Marks Of Subject2:5
Enter Marks Of Subject3:5
Enter Marks Of Subject4:5
Enter Marks Of Subject5:5
Total Marks: 25
Percentage: 5.0
```

12) Compute distance between two points taking input from the user (Pythagorean Theorem).

In [13]:
```
x1 = float(input("Enter X1:"))
y1 = float(input("Enter Y1:"))
x2 = float(input("Enter X2:"))
y2 = float(input("Enter Y2:"))
d = (((x2-x1)**2)+((y2-y1)**2))**0.5
print("Distance Btw Two Points:",d)
```

```
Enter X1:2
Enter Y1:1
Enter X2:1
Enter Y2:2
Distance Btw Two Points: 1.4142135623730951
```

13) WAP to convert seconds into hours, minutes & seconds and print in HH:MM:SS

[e.g. 10000 seconds mean 2:46:40 (2 Hours, 46 Minutes, 40Seconds)]

In [17]:
```
s = int(input("Enter Second:"))
h = s//3600;
m = (s%3600)//60
s = s%60
print(h,":",m,":",s)
```

```
Enter Second:10000
2 : 46 : 40
```

14) WAP to enter distance into kilometer and convert it into meter, feet,inches, and centimeter

In [18]:
```
d = int(input("Enter Distance(in KM):"))
print("Meter:",d*1000)
print("Feet:",d*3280.84)
print("Inches:",d*39370.08)
print("Centimeter:",d*100000.0032)
```

```
Enter Distance(in KM):1
Meter: 1000
Feet: 3280.84
Inches: 39370.08
Centimeter: 100000.0032
```

In [ ]:
```

```