

01) WAP to print “Hello World”

```
In [3]: print("Hello World")

Hello World
```

02) WAP to print addition of two numbers with and without using input().

```
In [5]: a=10
b=20
C=a+b
print(C)

d=int(input("enter 1st number:"))
e=int(input("enter 2st number:"))
A=d+e
print(A)

30
50
```

03) WAP to check the type of the variable.

```
In [7]: a=int(input(("Enter value:")))
print(type(a))

<class 'int'>
```

04) WAP to calculate simple interest.

```
In [9]: P=int(input(("Enter principal:")))
R=int(input(("Enter rate of interest:")))
T=int(input(("Enter time period:")))
SI=P*R*T/100

print(SI)

400.0
```

05) WAP to calculate area and perimeter of a circle.

```
In [11]: Pie=3.14
r=int(input(("Enter radius of circle:")))
Area=(Pie*r*r)
print("Area of circle:",Area)

Perimeter=(2*Pie*r)
print("Perimeter of circle:",Perimeter)

Area of circle: 314.0
Perimeter of circle: 62.800000000000004
```

06) WAP to calculate area of a triangle.

```
In [15]: Breadth=int(input(("Enter breadth of triangle:")))
Height=int(input(("Enter Height of triangle:")))
Area=((1/2)*Breadth*Height)
print("Area of triangle:",Area)

Area of triangle: 100.0
```

07) WAP to compute quotient and remainder.

```
In [17]: Dividend=int(input(("Enter Dividend:")))
Divisor=int(input(("Enter Divisor:")))
Quotient=(Dividend/Divisor)
print("Quotient is:",Quotient)

Dividend=int(input(("Enter Dividend:")))
Divisor=int(input(("Enter Divisor:")))
Remainder=(Dividend%Divisor)
print("Remainder is:",Remainder)

Quotient is: 0.5
Remainder is: 80
```

08) WAP to convert degree into Fahrenheit and vice versa.

```
In [29]: Fahrenheit=float(input(("Enter Fahrenheit :")))
Degree=(Fahrenheit-32*(5/9))
print("Degree: ",Degree)

Degree:  34.22222222222222
```

09) WAP to find the distance between two points in 2-D space.

```
In [3]: x1=int(input("enter x1"))
y1=int(input("enter y1"))
x2=int(input("enter x2"))
y2=int(input("enter y2"))
Distance=((x2-x1)*2+(y2-y1)*2)

print("distance:",Distance)

distance: 8
```

10) WAP to print sum of n natural numbers.

```
In [7]: n=int(input("enter n terms:"))
print("sum:",(n*(n+1)/2))

sum: 15.0
```

11) WAP to print sum of square of n natural numbers.

```
In [9]: n=int(input("enter n terms:"))
print("sum:",(n*(n+1)*(2*n+1)/6))

sum: 55.0
```

12) WAP to concate the first and last name of the student.

```
In [11]: f=input("enter first name:")
l=input("enter last name:")
print(f+" "+l)

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```

13) WAP to swap two numbers.

```
In [13]: x=int(input("enter x number:"))
y=int(input("enter y number:"))
x=x+y
y=x-y
x=x-y
print(x,y)

20 10
```

14) WAP to get the distance from user into kilometer, and convert it into meter, feet, inches and centimeter.

```
In [15]: k=float(input("enter distance in km:"))
print("meter:",k*1000)
print("feet:",k*3280.84)
print("inches:",k*39.37)
print("centimeter:",k*100000)

meter: 5000.0
feet: 16404.2
inches: 1850.5
centimeter: 500000.0
```

15) WAP to get day, month and year from the user and print the date in the given format: 23-11-2024.

```
In [17]: d=int(input("enter date:"))
m=int(input("enter month:"))
```

```
y=int(input("enter year:"))
print(d,m,y,sep='-')
```

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In []: