**#Q.1.** **WAP to find area of a Circle.**

**Ans.1-**

r=5

a=3.14\*r\*r

print(a)

**or(input from user)**

r=float(input(“enter any number”))

a=3.14\*r\*r

print(‘area of a Circle is :’,a)

**#Q.2. WAP to find perimeter of a Rectangle.**

**Ans.2-**

l=2

b=3

c=2\*(l+b)

print( 'perimeter of a Rectangle is :',c)

**or(input from user)**

l=float(input("enter the length"))

b=float(input("enter the breadth"))

c=2\*(l+b)

print( 'perimeter of a Rectangle is :',c)

**#Q.3.** . **WAP to find the Simple Interest and the total amount when the Principal, Rate of Interest and Time are entered by the user.**

**Ans.3-**

p=int(input("Enter the principal"))

r=int(input("Enter the rate of intrest"))

t=int(input("Enter the time"))

si=(p\*r\*t)/100

print('the simple intrest is',si)

**#Q.4.** . **WAP to convert ᵒC to ᵒF and ᵒF to ᵒC.**

**Ans.4-**

c=36

f=32+(9/5)\*c

print(f)

F=98

c=5/9\*(F-32)

print(c)

**or (input from user)**

c=float(input('enter the number'))

f=32+(9/5)\*c

print('ᵒC to ᵒF is :',f)

F=float(input('enter the number'))

c=5/9\*(F-32)

print('ᵒF to ᵒC is :',c)

**#Q.5. WAP to find distance between two points.**

**Ans.5-**

X=5

x=9

Y=7

y=8

a=((x-X)\*\*2+(y-Y)\*\*2)\*\*(1/2)

print("distance b/w two points is :",a)

**(or input from user)**

x=float(input("enter the x number"))

X=float(input("enter X number"))

y=float(input("enter the y number"))

Y=float(input("enter the Y number"))

a=((x-X)\*\*2+(y-Y)\*\*2)\*\*(1/2)

print("distance b/w two points is :",a)

**SELECTION**

**#Q.1.**  **Write a program to find whether a given number is even or not.**

**Ans.1-**

a=int(input(“enter the number”))

if(a%2==0):

print(“number is even”)

else:

print(“number is not”)

**#Q.2. Given 3 sides, WAP to find whether a given triangle is right angled or not.**

**Ans.2-**

h=float(input("enter the hypotaneous"))

b=float(input("enter the base"))

p=float(input("enter the perpendicualar"))

h=(b\*\*2+p\*\*2)\*\*(1/2)

print(h)

if(h\*\*2==p\*\*2+b\*\*2):

print("this is right triangle")

else:

print("this is not right triangle")

t(input("enter the if(c==(a\*\*2+b\*\*2)\*\*(

**#Q.3.** **Write a program to find greatest of three numbers .**

**Ans.3-**

a=7

b=5

c=3

if(a>b and a>c):

print("a is largest number",a)

elif(b>c and b>a):

print("b is largest number",b)

else:

print("c is largest number",c)

(**or input from user)**

num1 = float(input("Enter first number: "))

num2 = float(input("Enter second number: "))

num3 = float(input("Enter third number: "))

if num1 >= num2 and num1 >= num3:

largest = num1

elif num2 >= num1 and num2 >= num3:

largest = num2

else:

largest = num3

# print the largest number

print("The largest number is", largest)

**#Q.4. Write a program to whether a given number is prime or not.**

**Ans.4-**

a=int(input("enter the number"))

b=0

for n in range(1,a+1):

if(a%n==0):

b=b+1

if(b==2):

print("this number is prime number")

else:

print("this number is not a prime number")

**#Q.5.. Write a program to find whether a given string or number is palindrome or not.**

**Ans.5-**

n=int(input("Enter number:"))

temp=n

rev=0

while(n>0):

dig=n%10

rev=rev\*10+dig

n=n//10

if(temp==rev):

print("The number is a palindrome!")

else:

print("The number isn't a palindrome!")

n=int(input("Enter number:"))

temp=n

rev=0n=int(input("Enter number:"))

temp=n

rev=0

while(n>0):

dig=n%10

rev=rev\*10+dig

n=n//10

if(temp==rev):

print("The number is a palindrome!")

else:

print("The number isn't a palindrome!")

while(

if(temp==rev):

print("The number is a palindrome!")

else:

print("The number isn't a palindrome!")

umber:"))

temp=n

rev=0

while(n>0):

dig=n%10

rev=rev\*10+ n=n//10

if(temp==rev):

print("The number is a palindrome!")

else:

print("The number