**1.AREA OF A CIRCLE**

**pi=3.14**

**r=2**

**pow=r\*\*2**

**result=pi\*pow**

**print("The area of a circle is : ",result)**

**2.PRINT YOUR NAME**

**print("your name")**

**3.SWAPPING OF 2 NUMBERS**

**a=50**

**b=60**

**temp=a**

**a=b**

**b=temp**

**print(a)**

**print(b)**

**4.KILOMETERS TO MILES**

**kilometer=float(input("Enter the kilometer"))**

**formula=0.621371**

**miles=kilometer\*formula**

**print(“The miles is : “,miles)**

**5.WHETHER THE NUMBER IS EVEN OR NOT**

**n=50**

**if n%2==0:**

**print("It is even")**

**else:**

**print("It is not even")**

**6.CONVERT TO CELSUIUS TO FAHRENHEAT**

**celisuis=40**

**fah=(celisuis\*1.8)+32**

**print("The fah is",fah)**

**7.PRINT RANDOM NUMBER**

**import random**

**print(random.randint(1,60))**

**8.WHETEHR NUMBER IS POSITIVE OR ZERO OR NEGATIVE**

**num=60**

**if num>0:**

**print("positive")**

**elif num==0:**

**print("zero")**

**else:**

**print("negative")**

**9.CHECK LEAP YEAR**

**year=2004**

**if(year%4==0 and year%100!=0 or year%400==0):**

**print("leap year")**

**else:**

**print("not leap year")**

**10.LARGEST AMONG THREE NUMBERS**

**a=20**

**b=30**

**c=40**

**if(a>b and a>c):**

**largest=a**

**elif(b>a and b>c):**

**largest=b**

**else:**

**largest=c**

**print("largest no is",largest)**

**11.SIMPLE INTEREST**

**p=1000**

**t=1**

**r=1**

**simple\_interset=p\*t\*r/100**

**print(simple\_interest)**

**12.REVERSE OF A STRING**

**a="python"[::-1]**

**print(a)**

**13.EVEN NUMBERS IN GIVEN LIST**

**for i in range(1,20):**

**if i%2==0:**

**print(i)**

**14.PRINT RANGE 1 TO 20**

**for i in range(1,20):**

**print("The even nomber is",i)**

**15.POSITIVE NUMBER IN A LIST**

**a=[1,2,3,4,5,-6,-7,-8]**

**for i in a:**

**if i>0:**

**print(i)**

**16.CALCULATE GRADING TO THE MARKS**

**mark1=int(input("enter the mark1"))**

**mark2=int(input("enter the mark2"))**

**mark3=int(input("enter the mark3"))**

**mark4=int(input("enter the mark4"))**

**total=mark1+mark2+mark3+mark4**

**avg=total/4**

**if avg>=91 and avg<=100:**

**print("grade1")**

**elif avg>=81 and avg<=90:**

**print("grade2")**

**else:**

**print("failed")**

**17.FACTORIAL NUMBER**

**def fact(n):**

**if n==1 or n==0:**

**return 1**

**else:**

**return n\*fact(n-1)**

**n=1**

**fact(n)**

**18.CELSUIS TO KELVIN**

**celsius=10**

**Kelvin=celsius+273.15**

**print(Kelvin)**

**19.SUM OF NATURAL NUMBERS**

**a=5**

**sum=0**

**for i in range(1,a+1):**

**sum=sum+i**

**print(sum)**

**20.EVEN NUMBERS PRINT IN A LIST**

**a=[1,2,3,4,5,6,7,8]**

**for i in a:**

**if i%2==0:**

**print(i)**