1. write a python script to check whether a given number is positive or non-positive.

```
x=int(input("enter a number"))
if x>0:
   print("number is positive")
else:
   print("number is non positive")
```

2. write a python script to check whether a given number is devisible by 5 or not.

```
x=int(input("enter a number"))
if x%5==0:
   print("number is divisible by 5")
else:
   print("number is not divisible by 5")
```

3. write a python script to check whether a given number is even or odd.

```
x=int(input("enter a number"))
if x%2==0:
   print("number is even")
else:
   print("number is odd")
```

4. write a python script to print greater between two numbers.

```
x=int(input("enter a number"))
y=int(input("enter second number"))
if x>y:
   print(x, "is greater")
else:
   print(y, "is greater")
```

5. write a python script to print two given words in dictionary order.

```
x=(input("enter first word"))
y=(input("enter second word"))
if x<y:
```

```
    print(x)
    print(y)
else:
    print(y)
    print(x)
```

6. write a python script to check whether a given number is a three digit number or not.

```
x=int(input("enter a number"))
if x>99 and x<1000:
    print("three digit number")
else:
    print("not a three digit number")
```

7. write a python script to check whether a given number is positive,negative or zero.

```
x=int(input("enter a number"))
if x>0:
    print("number is positive")
elif x<0:
    print("number is negative")
else:
    print("number is zero")
```

8. write a python script to check whether a given quadratic equation has two real and distinct roots,real and equal roo ts or imaginary roots.

```
a=int(input("enter the value of a"))
b=int(input("enter the value of b"))
c=int(input("enter the value of c"))
d=b**2-4*a*c
if d>0:
    print("real and distinct roots")
elif d<0:
    print("imaginary roots")
else:
    print("real and equal roots")
```

9.write a python script to check whether a givencheck whether a given year is leap or not.

```
year=int(input("enter the year"))
if year%100==0:
    if year%4==0:
        print("leap year")
    else:
        print("not leap year")
else:
    if year%400==0:
        print("leap year")
    else:
        print("not leap year")
```

10. write a python script to print greater among three numbers.

```
a=int(input("enter first number"))
b=int(input("enter second number"))
c=int(input("enter third number"))
if a>b:
    if a>c:
        print(a,"is graetest")
    else:
        print(c,"is greatest")
else:
    if b>c:
        print(b,"is greatest")
    else:
        print(c,"is greatest")
```

11. write a python script to take the month value in numeric and display the number of days in it.

```
a=int(input("enter month number"))
if a==1:
    print("31 days")
elif a==2:
    print("28 or 29 days")
elif a==3:
    print("31 days")
elif a==4:
    print("30 days")
elif a==5:
    print("31 days")
elif a==6:
    print("30 days")
elif a==7:
```

```
    print("31 days")
elif a==8:
    print("31 days")
elif a==9:
    print("30 days")
elif a==10:
    print("31 days")
elif a==11:
    print("30 days")
elif a==12:
    print("31 days")
```

12. write a python script to accept one complex number from the user and display the greater number between real p art and imaginary part.

```
x=complex(input("enter a complex number"))
if x.real>x.imag:
    print(x.real,"real part is greater")
else:
    print(x.imag,"imaginary part is greater")
```