

Program:

Voter eligibility

```
age=int(input("Enter the age:"))
if(age>=18):
    print("Eligible")
else:
    print("Not eligible")
```

Output:

```
Enter the age:20
Eligible
>>>
```

Read a character whether it is a upper or lower

Program:

```
ch=input("Enter a character:")
if(ch>="A" and ch<="Z"):
    print("You entered upper case")
elif(ch>="a" and ch<="z"):
    print("You entered lower case")
```

Output:

```
Enter a character:S
You entered upper case
>>>
```

Days of the week

Program:

```
elif(n==4):  
    print("Wednesday")  
elif(n==5): n=int(input("Enter the number:"))  
if(n==1):  
    print("Sunday")  
elif(n==2):  
    print("Monday")  
elif(n==3):  
    print("Tuesday")  
elif(n==4):  
    print("Wednesday")  
elif(n==5):  
    print("Thursday")  
elif(n==6):  
    print("Friday")  
elif(n==7):  
    print("Saturday")  
else:  
    print("You entered a valid input")
```

Output:

Enter the number:2

Monday

>>>

Smallest of three numbers

Program:

```
a=int(input("Enter the value of a:"))
b=int(input("Enter the value of b:"))
c=int(input("Enter the value of c:"))
if(a<b and a<c):
    print("a is smaller")
elif(b<a and b<c):
    print("b is smaller")
else:
    print("c is smaller")
```

Output:

```
Enter the value of a:200
Enter the value of b:600
Enter the value of c:1000
a is smaller
>>>
```

charcter program

Program:

```
ch=input("Enter a character:")
if(ch>='a' and ch<='z'):
    ch="**"
```

```
    print(ch)
else:
    ch="U"
    print(ch)
```

Output:

Enter a character:S

U

>>>

Calculate the roots of quadratic eqn

Program:

```
import cmath
a=float(input("Enter a:"))
b=float(input("Enter b:"))
c=float(input("Enter c:"))
d=(b**2)-(4*a*c)
sol1=(-b-cmath.sqrt(d))/(2*a)
sol2=(-b+cmath.sqrt(d))/(2*a)
print("The solution are {0} and {1}".format(sol1,sol2))
```

Output:

Enter a:5

Enter b:8

Enter c:9

The solution are (-0.8-1.0770329614269007j) and (-0.8+1.0770329614269007j)

>>>
