

```
int main () {  
    int num;  
    printf ("Enter a number :");  
    scanf ("%d", &num);  
    if (num < 10)  
        printf ("one digit \n");  
    else if (num >= 10 & num < 100)  
        printf ("two digit \n");  
    else  
        printf ("Integers \n");  
    return 0;  
}
```

Output

Enter a number : 7

one digit

Enter a number : 45

Two digit

Enter a number : 123

Integers

```
s) day-number = int(input("Enter day number (1-7):"))
if day-number == 1:
    print("Monday")
elif day-number == 2:
    print("Tuesday")
elif day-number == 3:
    print("Wednesday")
elif day-number == 4:
    print("Thursday")
elif day-number == 5:
    print("Friday")
elif day-number == 6:
    print("Saturday")
elif day-number == 7:
    print("Sunday")
else:
    print("invalid day number! Please enter a number between 1 and 7")
```

2) out put
Enter day number (1-7): 3
wednesday

```
2) year = int(input("Enter a year:"))
if (year % 400 == 0):
    print(f"{year} is a leap year")
elif (year % 100 == 0):
    print(f"{year} is not a leap year")
elif (year % 4 == 0):
    print(f"{year} is a leap year")
else:
    print(f"{year} is not a leap year")
```

out put

Enter a year : 2024

4 char = input ("Enter a single alphabet:")

if len (char) == 1 and char.isalpha ():

if char in 'aeiou':

Printf ("{char} is a vowel")

else:

Printf ("{char} is a constant")

else:

Printf ("invalid input. Please enter a single alphabet")

Out Put

Enter an Alphabet : A

A is a vowel

Enter an alphabet = k

K is a constant

5 char = input ("Enter a single character:")

if len (char) != 1:

Printf ("Please enter exactly one character!")

else:

if char.isalpha ():

Printf ("{char} is an Alphabet")

elif char.isdigit ():

Printf ("{char} is a digit")

else:

Printf ("{char} is a special character")

Out Put

Enter a character : A

A is an alphabet

Enter a character : 7

7 is a digit

Enter a character : #

is a special character