ASSIGNMENT

1.Write a python program that takes two numbers as input and prints the largest number.

```
num1=int(input("Enter the first number:"))
num2=int(input("Enter the second number:"))
if(num1<num2):
    print( num2,"Entered second number is the largest number")
else:
    print(num1,"Entered first number is the largest number")
```

2.Create a python program that asks the user for a month(1-12)and then prints the corresponding season("spring" "summer" "fall" or "winter")

```
month=int(input("Enter month between 1 to 12:"))
if(month==12 or month==1 or month==2):
    print("winter season")
elif(month==3 or month==4 or month==5):
    print("spring season")
elif(month==6 or month==7 or month==8 ):
    print("summer season")
elif(month==9 or month==10 or month==11):
    print("Autumn season")
else:
    print("invalid")
```

3.Write a python program that determine whether a given year is leap year or not.

```
year=int(input("enter year:"))
if(year%4==0 or year%100!=0) and (year%400==100):
    print(year,"is a leap year")
```

else:

    print(year,"is not a leap year")

4.Write a program that takes an integer as input and checks if it is positive,negative or zero.Print an appropriate answer

```python
number=int(input("Enter the number:"))
if(number>0):
    print(number,"is a positive number")
elif(number<0):
    print(number,"is a negative number")
else:
    print("zero")
```

 5.Write a python program that asks the user for their age and gender.Based on their age and gender print a message like "you are a young man" or "you are a old woman"

```python
age=int(input("Enter your age:"))
gender=str(input("Enter your gender:"))
if(age<12) and (gender=='male' or gender=='female'):
    print("you are a child")
elif(age>12 and age==19) and (gender=='male' or gender=='female'):
    print("you are a teenagers")
elif(age>19 and age<50 ) and (gender=='male'):
    print("you are a young man")
elif(age>19 and age<50 ) and (gender=='female'):
    print("you are a young woman")
elif(age>=50 and age<100) and (gender=='male'):
    print("you are a old man")
elif(age>=50 and age<100 ) and (gender=='female'):
    print("you are a old woman")
```

```python
else:
    print("invalid")
```

6.Create a python program that takes a temperature in celsius and convert into Fahrenheit.

```python
temp=float(input("Enter a temperature:"))
Fahrenheit=(temp*1.8)+32
print(Fahrenheit," is Fahrenheit")
```

8.Create a program ask the user for the three numbers and then print them in ascending order.

```python
num1=int(input("Enter First number : "))
num2=int(input("Enter Second number : "))
num3=int(input("Enter Third number : "))
if num1<num2 and num1<num3:
    if num2<num3:
        x,y,z=num1,num2,num3
    else:
        x,y,z=num1,num3,num2
elif num2<num1 and num2<num3:
    if num1<num3:
        x,y,z=num2,num1,num3
    else:
        x,y,z=num2,num3,num1
else:
    if num1<num2:
        x,y,z=num3,num1,num2
    else:
        x,y,z=num3,num2,num1
```

print("Numbers in ascending order are : ",x,y,z)

9.Write a program that checks if a given yearis a century year .

```
year=int(input("Enter the year:"))
if(year%4==0 and year%100==0):
    print(year,"is a century year")
else:
    print(year,"is a not century year")
```

10.Create a program that asks the user for a number and then determine if it is odd or even.

```
num=int(input("Enter a number:"))
if(num%2==0):
    print(num,"is even")
else:
    print(num,"is odd")
```