

## Exercise 1

Input

```
1 print("Even" if int(input("Enter  
2 Number" ) )%2==0 else "odd")
```

Output

```
Enter Number45  
odd
```

```
[Program finished]
```

## Exercise 2

Input

```
1 year=int(input("Enter a year: "))
2 if year % 4 == 0 and (year % 100 !=0 or
  year % 400 == 0):
3     print(year, "is a leap year")
4 else:
5     print(year, "is not a leap year")
```

Output

```
Enter a year: 5
5 is not a leap year

[Program finished]
```

## Exercise 3

### Input

```
1 input=int(input("Enter your Age: "))  
2 if input>=18:  
3     print("You are adult")  
4 else:  
5     print("you are minor")
```

### Output

```
Enter your Age: 14  
you are minor
```

```
[Program finished]
```

## Exercise 4

### Input

```
1
2 user=input("Enter user name: ")
3 password=input("Enter password: ")
4 if user=="admin" and
   password=="12345":
5     print("Successfull login")
6 else:
7     print("Successfull failed")
```

### Output

```
Enter user name: admin
Enter password: 12345
Successfull login

[Program finished]
```

## Exercise 5

Input

```
1 num1=int(input("Enter a number: "))
2 if num1>0:
3     print("The number is positive")
4 elif num1<0:
5     print("The number is negative")
6 else:
7     print("The number is zero")
```

Output

```
Enter a number: 4
The number is positive

[Program finished]
```

## Exercise 6

### Input

```
1 num1=int(input("Enter number 1 : "))
2 num2=int(input("Enter number 2 : "))
3 num3=int(input("Enter number 3 : "))
4 max_num=max(num1,num2,num3)
5 print("The maximum number is ",
      max_num)
```

### Output

```
Enter number 1 : 4
Enter number 2 : 6
Enter number 3 : 89
The maximum number is 89

[Program finished]
```

## Exercise 7

### Input

```
1 total_marks=int(input("Enter Total  
Marks: "))  
2 obtained_marks=int(input("Enter  
Obtained Marks: "))  
3 percentage=obtained_marks/  
total_marks*100  
4 if percentage>80:  
5     print("your Grade is A+")  
6 elif percentage<=80 and  
percentage>=65:  
7     print("Your Grade is A")  
8 elif percentage<=65 and  
percentage>=50:  
9     print ("Your Grade is B")  
10 elif percentage<=50 and percentage >35:  
11     print("your Grade is C")  
12 else:  
13     print("your grade is D")
```

### Output

```
Enter Total Marks: 500  
Enter Obtained Marks: 345  
Your Grade is A  
  
[Program finished]
```

## Exercise 8

### Input

```
1 num=int(input("Enter number: "))
2 if num>1:
3     for i in range(2,num):
4         if (num%i)==0:
5             print(num,"is a prime number")
6             break
7         else:
8             print(num,"is not a prime
9 number")
10 else:
11     print(num,"is not a prime
12 number")
```

### Output

```
Enter number: 4
4 is a prime number

[Program finished]
```



## Exercise 9

### Input

```
1 year=int(input("Enter a year: "))
2 if year % 4 == 0 and (year % 100 !=0 or
3   year % 400 == 0):
4     print(year, "is a leap year")
5 else:
6     print(year, "is not a leap year")
```

### Output

```
Enter a year: 5
5 is not a leap year
```

```
[Program finished]
```

## Exercise 10

### Input

```
1 num1=int(input("Enter number 1 : "))
2 num2=int(input("Enter number 2 : "))
3 if num1>num2:
4     print(num1,"is larger ")
5 elif num2>num1:
6     print(num2,"is larger")
7 else:
8     print("Both are equal")
```

### Output

```
Enter number 1 : 45
Enter number 2 : 66
66 is larger

[Program finished]
```