

Exercise 1

Create a program that asks the user to enter their name and their age. Print out a message that tells how many years they have to be 100 years old.

Exercise 2

Ask the user for a number. Depending on whether the number is even or odd, print out an appropriate message to the user.

Exercise 3

Create a program that asks the user for a number and then prints out a list of all the divisors of that number.

(If you don't know what a divisor is, it is a number that divides evenly into another number. For example, 13 is a divisor of 26 because $26 / 13$ has no remainder.)

Exercise 4

write a program that takes integer as input and print yes if number is prime number else print no.

Hint : Prime Number : is number that is divisible by it self and 1 only (رقم يقبل القسمة على نفسه و 1)
(علي الواحد بس)

Ex:

input

7

output

Yes

input

15

Output

No

Exercise 5

Write a program to find the factorial value of any number entered through the keyboard.

Hint : Factorial $5=5!=5\times4\times3\times2\times1$

Factorial $8=8!=8\times7\times6\times5\times4\times3\times2\times1$

Ex:

Input:

5

Output:

$5! = 120$

Exercise 6

Write a program to display n terms of natural number and their sum.

Input : 7

Output :

The first 7 natural number is : 1 2 3 4 5 6 7

The Sum of Natural Number up to 7 terms : 28

Exercise 7

write an app that takes the values form a specific list and checks that the values can be divided on a specific number and put the values in a new list and print it.

Example :

first list = [2,3,5,9,8,7,1,12,16,18,20]

check the numbers can divided on 3

new list = [3,9,12,18]

Exercise 8

task_3 : write an app that takes a string value from the user and print the number of vowel letters(a,e,i,o,u) in it

○ Example :

Enter a value :

Kareem

the number of vowel : 3

Exercise 9

write an app that prints this shape

```
      *
```

```
    **
```

```
  ***
```

```
****
```

```
*****
```