**Write a C++ program that uses a function to check whether a given integer is prime or not.**

* A **prime number** is a positive integer greater than 1 that is divisible only by 1 and itself.
* A **non-prime number** is any integer greater than 1 that is divisible by any other number besides 1 and itself (including 1, which is not considered prime).

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**Q1-2\**Write a programto input numbers fromthe user until the number -100 is encountered. The square of sum of all numbers should be printed out.

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**Que 3:-**

Assuming an array which has 5 elements with the following initial values for time in minutes:

{12.0, 15.0, 24.0, 90.0, 120.0}

Write a **C++ program** to convert these values in the same array to **hours**, as shown below:

{0.2, 0.25, 0.4, 1.5, 2.0}

You **must use** a function named **Conv\_To\_Hour**  that should take the array as input.

**Que 4:-**

Write a program that asks for an integer (1-12) representing the month, and depending on the input,show the month name as a word (in English). Use a switch statement.

Forexample for1itshouldprint Jan