## Question

A programmer has been asked to write a program that asks the user to enter a number. The program will then output the square of this number, along with a suitable accompanying sentence.

Write an algorithm in pseudocode which satisfies the above task.

## Answer

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***There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!***

LOGIC:

-Ask the user to enter a number
-Cast the input to an integer
-Calculate the square of this number
-Displays the square along with a suitable message

EXAMPLE ALGORITHM:

```
number = input("Enter a number: ")
number = int(number)
square = number * number
print("The square of  " + str(number) + "is " + str(square))
```

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