

# Task 0

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Question 1: Write C++ Program that accomplish each of following questions

1. Program that takes the length and width of a rectangle from the user, calculates the area of the rectangle and prints it.
2. Program that takes from the user the length of a cube and calculates the volume of the cube and prints it on the screen.
3. Program that takes from the user the distance in kilometers and converts it to meters and then to centimeters and prints it (**Tip:** Search for the each equation on google ).
4. Program that takes from the user the measures of two angles of a triangle and calculates the third angle and prints its value.
5. Program that takes from the user the value of the loan and the interest rate, calculates the value of the interest and the total amount and prints them.
6. Program that takes from the user the length of the side of a regular shape and the number of its sides and calculates the perimeter and prints it
7. Program that takes a number from the user and prints the number squared and the number cubed (**Tip:** Use \* operator to calculate square and cube ).

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Question 2: What is the output of the following program fragment  
(**Note:** trace the code first then check your answer by running the  
code into your editor)

```
#include<iostream>
using namespace std;
int main ()
{
    int cin;
    cin >> cin;
    cout << "cin: " << cin;
    return 0;
}
////////////////////////////////////
#include <iostream>
using namespace std;
int main()
{
    char c = 74;
    cout << c;
    return 0;
}
```

*Try your best 😊, Good luck 🤝*