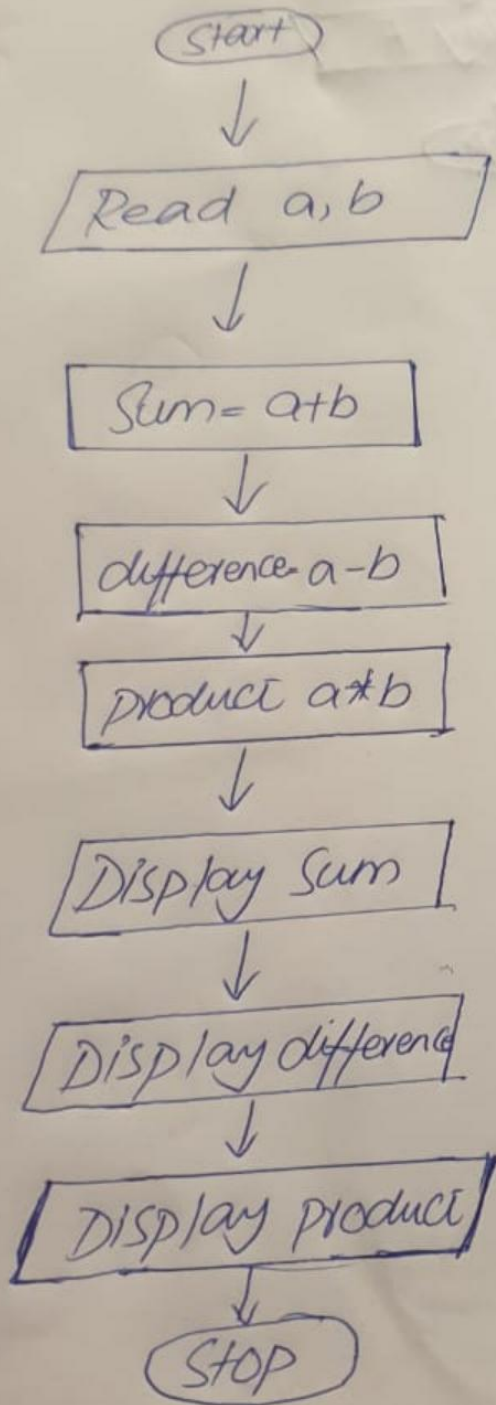


①

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Date	25/8/2020

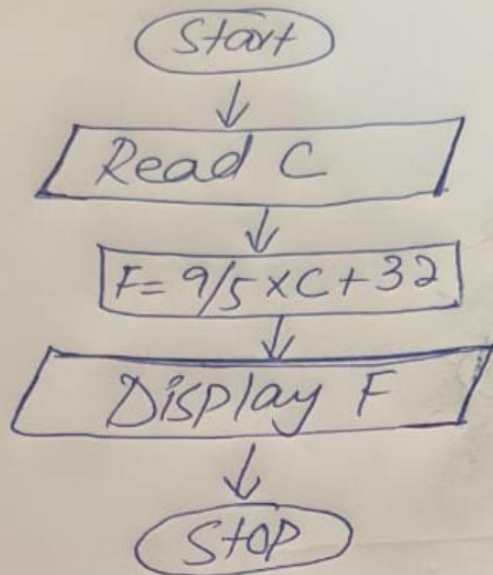
QNO # 1 ⁽²⁾

* Part (a)

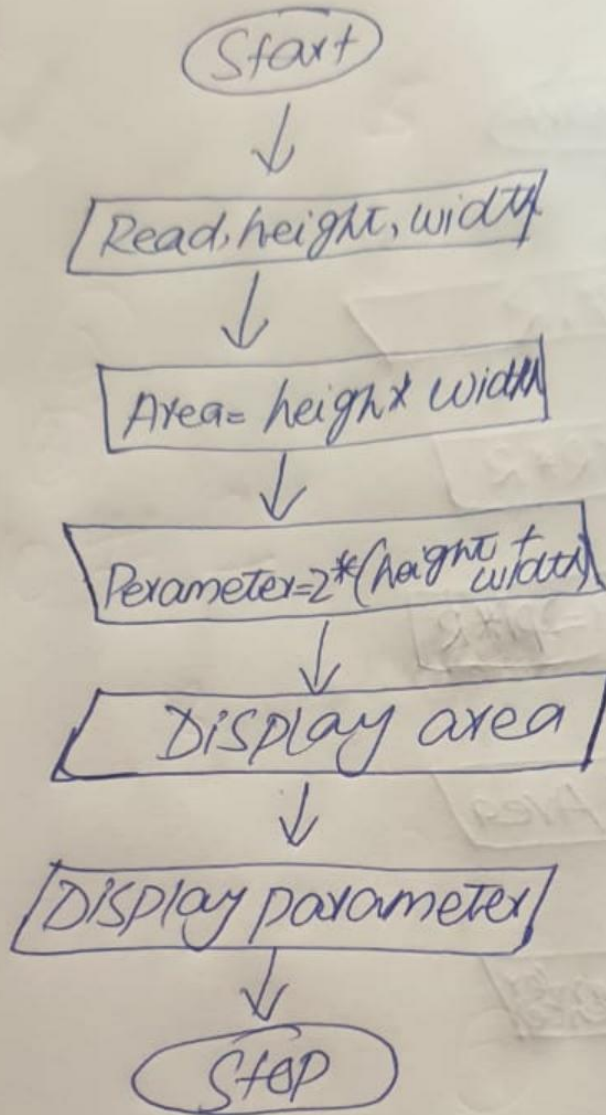


* part (b)

③



④
Q NO # 2
part (a)

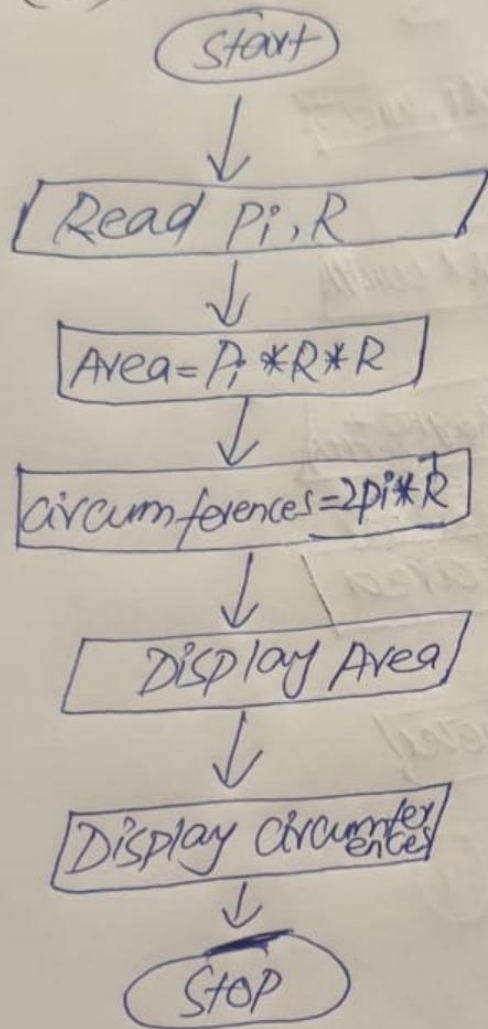


★

(5)

```
#include <iostream>
using namespace std;
int main()
{
    int height = 2;
    int width = 5;
    int area;
    int parameter;
    area = height * width;
    cout << "area is\n";
    cout << area;
    parameter = 2 * (height + width);
    cout << "\n parameter is\n";
    cout << parameter;
}
```

⑥
part (b)



*

⑦

```
#include <iostream>
using namespace std;
int main()
```

```
{
```

```
    int R=5;
```

```
    float Pi=3.14;
```

```
    float area;
```

```
    float circumferences;
```

⑧

$$\text{Area} = \pi * R * R;$$

cout << " Area of circle is =";

cout << Area;

cout << "\n circumferences is =";

$$\text{Circumferences} = 2 * \pi * R;$$

cout << circumferences;

}

QNO#3 ^⑨

Part (a)

- * different type of programming language
- * There are two major types of programming languages.
- * Low level languages
- * High level languages
- * Low level languages are further divided into machine language & assembly language
- * High level languages are for Scientific application Fortran & C languages are used. On the other hand COBOL is used for business application.

Part (b)

There are 2 different types of translators to translate higher language to machine language.

- * Compiler
- * It's a program translator that translates the instruction of a higher level language to machine language

- * It's called ^⑩ compiler because it compiles machine language instructions for every program instructions of higher level language.
- * Thus compiler is a program translator like assembler but more sophisticated. It scans the entire program first & then translates it.

* Interpreter

- * An interpreter is another type of program translator used for translating higher level language into machine language.
- * It takes one statement of higher level language & translates it into machine language & immediately executes it.
- * Translate & execution are carried out for each statement.
- * It differs from compiler which translates the entire source program into machine code.