

**Question 1.**

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    double a, b;
```

```
    cout << "Enter number a: ";
```

```
    cin >> a;
```

```
    cout << "Enter number b: ";
```

```
    cin >> b;
```

```
    cout << "Square of a: " << a * a << "\n";
```

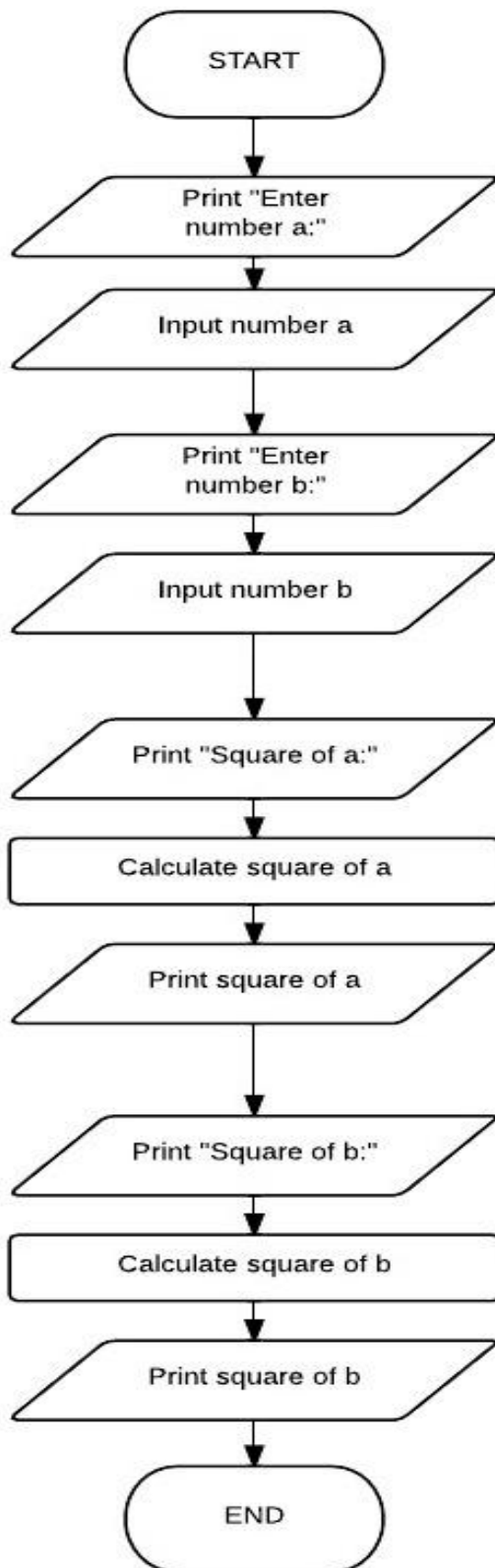
```
    cout << "Square of b: " << b * b << "\n";
```

```
    system("pause");
```

```
    return 0;
```

```
}
```

## Flowchart



## Pseudocode

variables:

```
double a, b;
```

1. stdout < "Enter number a: "
2. a->stdin
3. stdout < "Enter number b: "
4. b->stdin
5. stdout < "Square of a: "
6. stdout < a \* a
7. stdout < "Square of b: "
8. stdout < b \* b

### Question 2.

```
include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    double num[5];
```

```
    cout << "Enter 5 numbers: ";
```

```
    cin >> num[0] >> num[1] >> num[2] >> num[3] >> num[4];
```

```
    double aver = (num[0] + num[1] + num[2] + num[3] + num[4]) / 5;
```

```
    cout << "Average of 5 numbers: " << aver << "\n";
```

```
    system("pause");
```

```
    return 0;
```

```
}
```

## Pseudocode

variabales:

```
double num[5], aver;
```

1. stdout < "Enter 5 numbers: "
2. num[0]->stdin
3. num[1]->stdin
4. num[2]->stdin
5. num[3]->stdin
6. num[4]->stdin
7. aver->(num[0] + num[1] + num[2] + num[3] + num[4]) / 5
8. stdout < "Average of 5 numbers: "
9. stdout < aver

## Flowchart

