

ASSIGNMENT-I

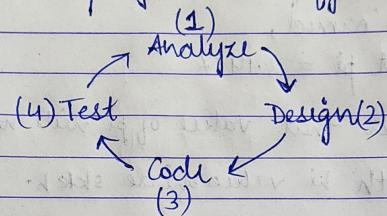
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• AN INTRODUCTION TO PROGRAMMING

1.1.1 4 steps of program development cycle :

- Analyze : Understand the problem by determining available information.
- Design : step by step instructions to solve the problem.
- Code : Program code in high level language to implement design.
- Test : Run the program to verify that program solves problem.



1.1.2

```
#include <iostream>
using namespace std;
int main()
{
    cout << "Hello World" << endl << "Hello World" << endl << "Hello
    World" << endl << "Hello World" << endl << "Hello World";
    return 0;
}
```

1.1.3

It's a Small World After All !!

1.1.4

1. No parenthesis after main.
2. No semi-colon after cout statement.
3. Both include & iostream.h are used.

suitable
python

will not throw an error & still give the output but values will remain same !!!

1.2.1

Two prompt statements :

1. For user's age : cout << "Enter your Age:" ;
2. For taking input : cin >> Age ;

(Let's assume this variable has already been defined in the program).

1.2.2

• PROGRAM TO CALCULATE STRIKE RATE /

```
# include <iostream>
using namespace std;
int main()
{
    int Runs-scored, Balls-faced;
    float Strike-rate;
    cout << "Enter your runs:" ;
    cin >> Runs-scored;
    cout << "Enter balls you faced:" ;
    cin >> Balls-faced;
    cout << "Strike Rate :" ;
    Strike-rate = Runs-scored / Balls-faced * 100;
    cout << "Your strike Rate :" << Strike-rate;
    return 0;
}
```

1.2.3

```
# include <iostream>
using namespace std;
int main()
{
    int a, b;
```

```
cout << "enter A:";  
cin >> a;  
cout << "enter B:";  
cin >> b;  
a = a+b;  
b = a-b;  
a = a-b;  
cout << a << endl << b;  
return 0;  
}
```

1.2.4

x = 20

y = 20

1.2.5

Errors:

1. No include statement to link compiler to the libraries.
2. No namespace.
3. No parenthesis after main(). calls << a >>
4. No return statement.
5. Space b/w "percentage" variable.