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Class: ME- 15

Section: C

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Q#1

```cpp
#include<iostream>
using namespace std;
int main()
{
  int  a ;
  for (int i = 1; i <= 10; i++) {
    a = a + i;
  }
  cout << "The sum of first 10 natural numbers is: " <<  a
<< endl;
  return 0;
}
```

Q#2

```cpp
#include <iostream>
using namespace std;
int main() {
  int a;
  cout << "Enter a number: ";
  cin >> a;
```

```cpp
  cout << "Multiplication table of " << a << ":" << endl;
  for (int i = 1; i <= 20; i++) {
    cout << a << " x " << i << " = " << a * i << endl;
  }
  return 0;
}
```

Q#3

```cpp
        #include <iostream>

using namespace std;

int main()

{int a;

cout<<"Enter any positive number"<<endl;

cin>>a;

int b;

int c;

b=a;

c=a;

while(b>1){

  b--;

  a=a*b;

}

  cout<<c<<"! ="<<a;

  return 0;

}
```

Q#4

```cpp
#include<iostream>
using namespace std;
int main()
{
    int b;
    int a;
    int c;
    int t1;
    int t2;
    cout<<"Enter any positive number"<<endl;
    cin>>b;
     t1 = 0, t2 = 1, a = 0;
       cout << t1 << ", "<<t2 << ", ";
    while (c<=b) {
        a= t1 + t2;
        t1 = t2;
        t2 = a;
        c=t1+t2;
        cout << a<< ", ";
    }
    return 0;
}
```