

FOP LAB

LAB MANUAL 4

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ME-15 Section C

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LAB TASKS

QUESTION 1:

```
#include <iostream>

using namespace std;

int main() {
    int sum = 0;

    for (int i=1; i<=10; i++) { sum += i;
    }

    cout<<"The sum of first ten integers is: "<< sum << endl;

    return 0;
}
```

QUESTION 2:

```
#include <iostream>

using namespace std;

int main() {
    int number = 2;

    cout<<"Table of 2 is: "<<endl;
```

```

    for (int i = 1; i <= 10; i++) {
        cout << number << "x" << i << "=" << (number*i) << endl;    }
}

```

QUESTION 3:

```

#include <iostream>

using namespace std;

int main() {
    int number;

    int factorial =1;

    cout<<"enter the number: ";

    cin>> number;

    for (int i = 1; i <= number; i++) {
        factorial *= i;
    }

    {
        cout << number << "! = " << factorial << endl;
    }

    return 0;
}

```

Question 4:

```

#include <iostream>

using namespace std;

int main() {
    int n;

    cout<<"Enter Number Of Elements In Fabonacci Sequence: ";

    cin>> n;
}

```

```
int a=0, b=1;

int count =0;

cout <<"Sequence Upto "<<n<<" Entries Is: ";

while (count<n){

    cout<<a<<" ";

    int next = a+b;

    a=b;

    b=next;

    count++;

}

cout<<endl;

return 0;

}
```