



**NATIONAL UNIVERSITY OF SCIENCES AND
TECHNOLOGY**

PROGRAMMING FUNDAMENTALS
LAB TASK # 4

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<u>COURSE:</u>	<u>CS-114</u>
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Q1:

```
#include <iostream>
using namespace std;
int main() {
    int num=1;
    for (int count=1; count<=10;
count++) {
        num=num+count;
    }
    cout << num;
    return 0;
}
```

Q 1(results):

```
1  #include <iostream>
2  using namespace std;
3  int main(){
4      int num=1;
5      for (int count=1; count<=10; count++) {
6          num=num+count;
7      }
8      cout << num;|
   return 0;
}

main
main.cpp x
:
C:\papers\main.exe
56
Process finished with exit code 0
```

Q 2:

```
#include <iostream>
using namespace std;
int main() {
    int num;
    cout<<"Enter the number you want to
know about:";
    cin>>num;
    for (int i = 1; i <=10; ++i) {

cout<<num<<"*"<<i<<"="<<i*num<<"\n";
    }
    return 0;
}
```

Q 2 (results):

```
3 ▶ int main(){
4     int num;
5     cout<<"Enter the number you want to know about:";
6     cin>>num;
```

main

main.cpp x

:

5*5=25
5*6=30
5*7=35
5*8=40
5*9=45
5*10=50

Process finished with exit code 0

Q 3:

```
#include <iostream>
using namespace std;
int main() {
    int num, product=1;
    cout<<"Enter the number:";
    cin>>num;
    for (int i = 1; i <= num; i++) {

        product=i*product;
    }
    cout<<"The product ="<<product;
    return 0;
}
```

Q 3 (results):

```
1  #include <iostream>
2  using namespace std;
3  int main(){
4      int num, product=1;
```

main.cpp x

:

C:\papers\main.exe

Enter the number:5

The product =120

Process finished with exit code 0

|

Q 4: