NATIONAL UNIVERSITY OF SCIENCES AND TEHNOLOGY

CS-114-FUNDAMENTAL OF PROGRAMING

LAB MANUAL # 5

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➢ **SECTION:** B

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TASK # 1

CODE:

```cpp
#include <iostream>
using namespace std;
int main(){
int n,r;
int sum=0;
cout<<"Please enter any number: ";
cin>>n;
while(n>0){
r=n%10;
sum=sum+r;
n=n/10;
}
cout<<"So, the sum of all digits is "<<sum<<endl;
return 0;
}
```

```
Please enter any number: 555
So, the sum of all digits is 15

---------------------------------
Process exited after 8.473 seconds with return value 0
Press any key to continue . . . _
```

TASK # 2

CODE:

```cpp
#include <iostream>

using namespace std ;

int main()

//print the numbers from 1 to 150

{

for(int i=1;i<=150;i++){


if (i%10!=0){

cout<<i<<" ";

}

}

return 0;

}
```

```
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47
48 49 51 52 53 54 55 56 57 58 59 61 62 63 64 65 66 67 68 69 71 72 73 74 75 76 77 78 79 81 82 83 84 85 86 87 88 89 91 92
93 94 95 96 97 98 99 101 102 103 104 105 106 107 108 109 111 112 113 114 115 116 117 118 119 121 122 123 124 125 126 127
 128 129 131 132 133 134 135 136 137 138 139 141 142 143 144 145 146 147 148 149
-------------------------------
Process exited after 0.1013 seconds with return value 0
Press any key to continue . . . _
```

TASK # 3

CODE:

```cpp
#include <iostream>

using namespace std;

int main(){

int i,n;

cout<<"Please enter a number: ";

cin>>n;

for(i=2;i<=n-1;i++){

if(n%i==0){

break;
```

```cpp
        }
    }
    if(n==i){
        cout<<"It is a prime number."<<endl;

    }
    else{
        cout<<"It is not a prime number."<<endl;
    }

    return 0;
}
```