```cpp
#include<iostream>

using namespace std;

int main()

{
        //TASK 1

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

                if(i%10==0)

                        {cout<<" "|;

                continue;}

                cout<<i<<" ";}
```

the console for task 1 is:


```
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
```

```cpp
//TASK 2

int INT,dig,imd;

        cout<<"enter integer ";

        cin>>INT;

        while (INT>0){


        dig=INT%10;

        imd=imd+dig;

        INT=INT/10;

        }


        cout<<"sum of the digits of the integer is "<<imd<<endl;
```

the console is:


```
enter integer 190
sum of the digits of the integer is 10
```

```cpp
//TASK 3


    int number;
```

```cpp
    bool x = true;

    cout << "Enter a number: ";
    cin >> number;

    if (number <= 1) {
        x = false;
    } else {
        for (int i = 2; i <= number/2; ++i) {
            if (number % i == 0) {
                x = false;
                break;
            }
        }
    }

    if (x) {
        cout << number << " is a prime number." << endl;
    } else {
        cout << number << " is not a prime number." << endl;
    }
```

The console for this task is:

```
Enter a number: 19
19 is a prime number.
```

```cpp
        return 0;
}
```