

Submitted by: Uriba Parveen Khan
Reg No. : 22i-0465
Section : AI-C

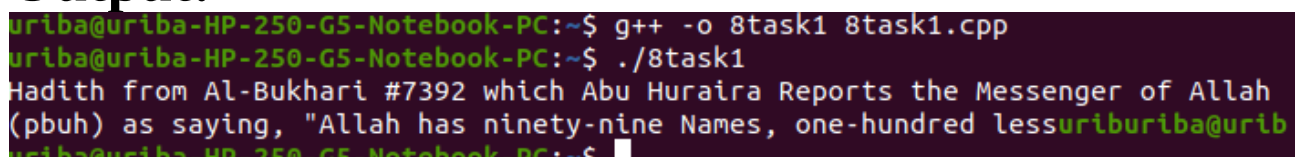
Task 01:

Code:

```
#include<iostream>
using namespace std;
int main()
{
cout<<"Hadith from Al-Bukhari #7392 which Abu Huraira
Reports the Messenger of Allah (pbuh) as saying, \"Allah
has ninety-nine Names, one-hundred less one; and he who
memorized them all by heart will enter Paradise.\"";

return 0;
}
```

Output:



```
uriba@uriba-HP-250-G5-Notebook-PC:~$ g++ -o 8task1 8task1.cpp
uriba@uriba-HP-250-G5-Notebook-PC:~$ ./8task1
Hadith from Al-Bukhari #7392 which Abu Huraira Reports the Messenger of Allah
(pbuh) as saying, "Allah has ninety-nine Names, one-hundred less
uriburiba@urib
uriba@uriba-HP-250-G5-Notebook-PC:~$
```

Task 3:

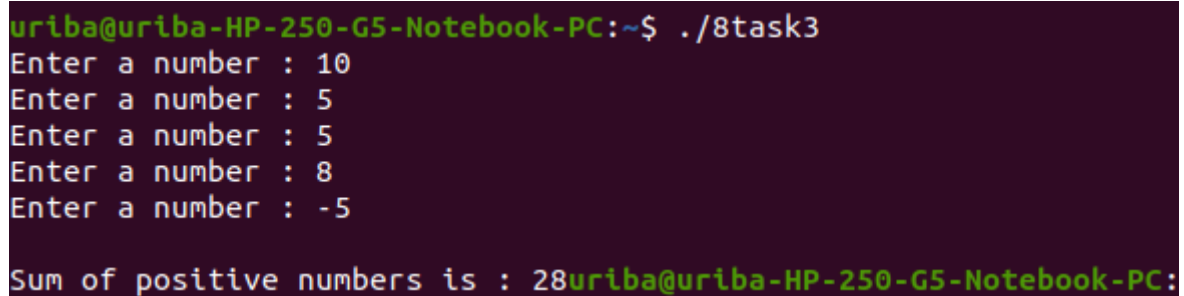
Code:

```

#include<iostream>
using namespace std;
int main()
{
int num=0, sum=0;
while(num>=0)
{
sum=sum+num;
cout<<"Enter a number : ";
cin>>num;
}
cout<<"\nSum of positive numbers is : "<<sum;
return 0;
}

```

Output :



```

uriba@uriba-HP-250-G5-Notebook-PC:~$ ./8task3
Enter a number : 10
Enter a number : 5
Enter a number : 5
Enter a number : 8
Enter a number : -5

Sum of positive numbers is : 28uriba@uriba-HP-250-G5-Notebook-PC:

```

Task 4:

Code:

```

#include<iostream>
using namespace std;
int main()
{
int num=0, sum=0 ;
do

```

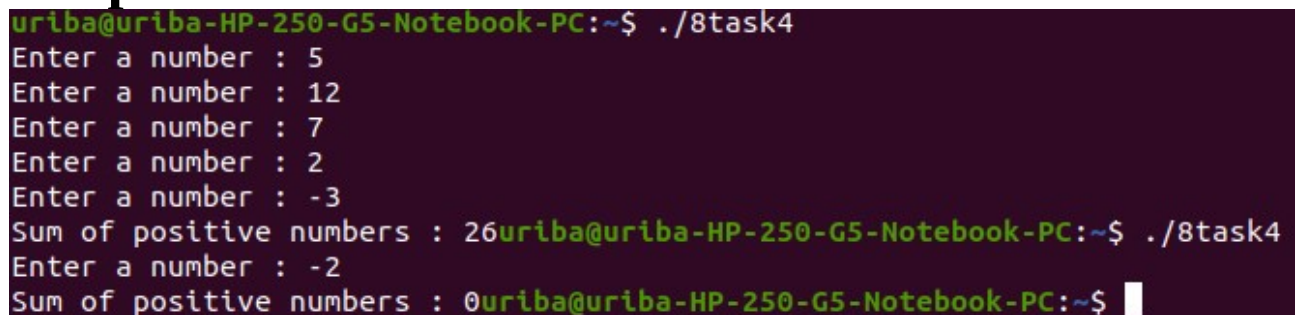
```

{
cout<<"Enter a number : ";
cin>>num;
    if(num>0)
    {
        sum=sum+num;
    }
}
while(num>0);
cout<<"Sum of positive numbers : "<<sum;

return 0;
}

```

Output:



```

uriba@uriba-HP-250-G5-Notebook-PC:~$ ./8task4
Enter a number : 5
Enter a number : 12
Enter a number : 7
Enter a number : 2
Enter a number : -3
Sum of positive numbers : 26uriba@uriba-HP-250-G5-Notebook-PC:~$ ./8task4
Enter a number : -2
Sum of positive numbers : 0uriba@uriba-HP-250-G5-Notebook-PC:~$ 

```

Task 5:

Code :

```

#include<iostream>
using namespace std;
int main()
{
int num, max=0, min=0;
cout<<"Enter an integer(zero to exit) : ";

```

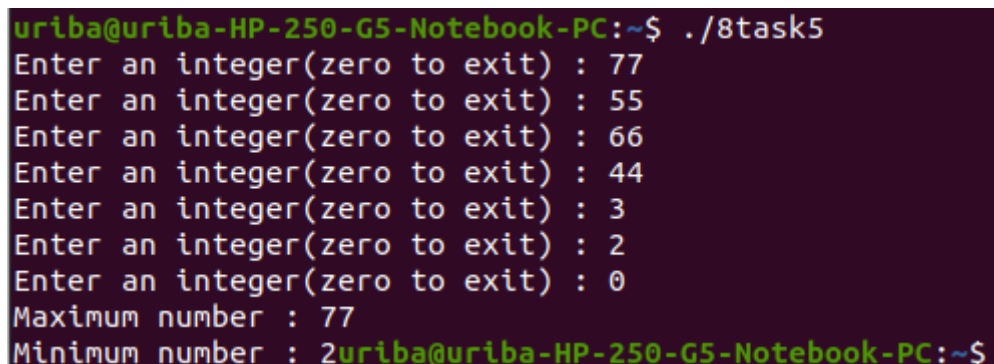
```

cin>>num;
min=num;
while(num!=0)
{
    if(num>max)
    {
        max=num;
    }

    if(num<min)
    {
        min=num;
    }
    cout<<"Enter an integer(zero to exit) : ";
    cin>>num;
}
cout<<"Maximum number : "<<max<<endl;
cout<<"Minimum number : "<<min;
return 0;
}

```

Output:



```

uriba@uriba-HP-250-G5-Notebook-PC:~$ ./8task5
Enter an integer(zero to exit) : 77
Enter an integer(zero to exit) : 55
Enter an integer(zero to exit) : 66
Enter an integer(zero to exit) : 44
Enter an integer(zero to exit) : 3
Enter an integer(zero to exit) : 2
Enter an integer(zero to exit) : 0
Maximum number : 77
Minimum number : 2uriba@uriba-HP-250-G5-Notebook-PC:~$

```

Task 6:

Code :

```
#include<iostream>
using namespace std;
int main()
{
    int num;
    bool result=1;
    cout<<"Enter a number to check whether it is prime or not :
    ";
    cin>>num;
    while(num>=0)
    {
        for(int i=2;i<num;i++)
        {
            if(num%i==0)
            {
                result=0;
                break;
            }
            else
            {
                result=1;
            }
        }
    }
    if(result==1)
    {
        cout<<"It is a prime number.";
    }
    if(result==0)
    {
```

```
cout<<"It is not a prime number.";
}
```

```
cout<<"\nEnter a number to check if it is prime or not : ";
cin>>num;
```

```
}
```

```
return 0;
}
```

Output:

```
uriba@uriba-HP-250-G5-Notebook-PC:~$ ./8task6
Enter a number to check whether it is prime or not : 4
It is not a prime number.
Enter a number to check if it is prime or not : 11
It is a prime number.
Enter a number to check if it is prime or not : 25
It is not a prime number.
Enter a number to check if it is prime or not : -8
uriba@uriba-HP-250-G5-Notebook-PC:~$
```