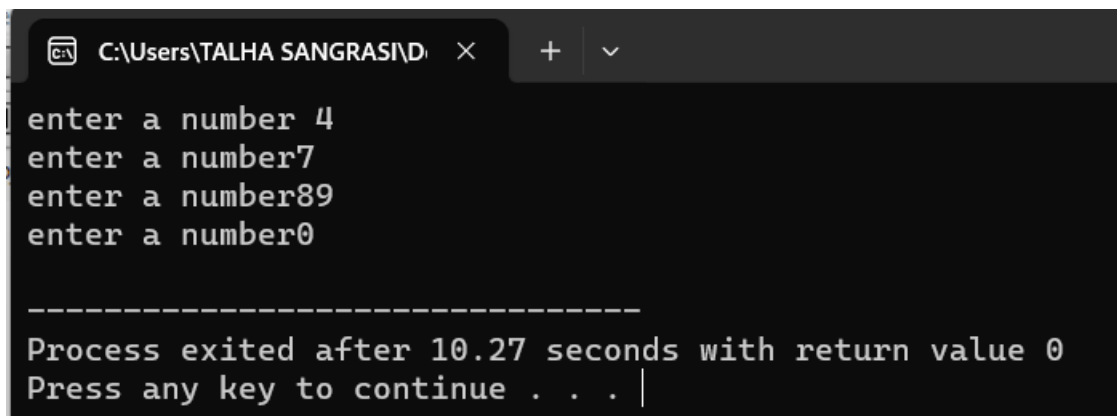


lab task 05

submission

task 01

```
#include <iostream>
using namespace std;
int main()
{
    int x=1;
    do {
        cout<<"enter a number";
        cin>>x;
    }
    while(x>0);
}
```



```
C:\Users\TALHA SANGRASI\...  X  +  v

enter a number 4
enter a number 7
enter a number 89
enter a number 0

-----
Process exited after 10.27 seconds with return value 0
Press any key to continue . . . |
```

task 02

```
#include <iostream>

using namespace std;

int main()
{
    double num1,num2,sum,sub,mult,div;
    char operation,decision;

    do{
        cout<<"enter any two numbers you want to perform calculations with ";
        cin>>num1>>num2;
        cout<<"enter"<<endl;
        cout<<"a for addition "<<endl;
        cout<<"s for subtraction"<<endl;
        cout<<"m for multiplication"<<endl;
        cout<<"d for division"<<endl;
        cin>>operation;

        if (operation=='a'){
            sum=num1+num2;
            cout<<"sum is equal to "<<sum<<endl;
        }
        else if(operation=='s'){
            sub=num1-num2;
            cout<<"subtraction is equal to "<<sub<<endl;
        }
        else if(operation=='m'){
            mult=num1*num2;
            cout<<"multiplication is equal to "<<mult<<endl;
        }
        else if(operation=='d'){
```

```

        div=num1/num2;

        cout<<"division is equal to "<<div<<endl;

    }

    cout<<"enter y to perform the task again and n for terminating the task  "<<endl;
    cin>>decision;

}

while (decision=='y');

}

```

```

C:\Users\TALHA SANGRASI\Documents
enter any two numbers you want to perform calculations with 2
4
enter
a for addition
s for subtraction
m for multiplication
d for division
m
multiplication is equal to 8
enter y to perform the task again and n for terminating the task
y
enter any two numbers you want to perform calculations with 8
9
enter
a for addition
s for subtraction
m for multiplication
d for division
a
sum is equal to 17
enter y to perform the task again and n for terminating the task
|

```

Task 03

```
#include <iostream>

using namespace std;

int main()
{
    int even = 0;
    int number= 2;

    do{

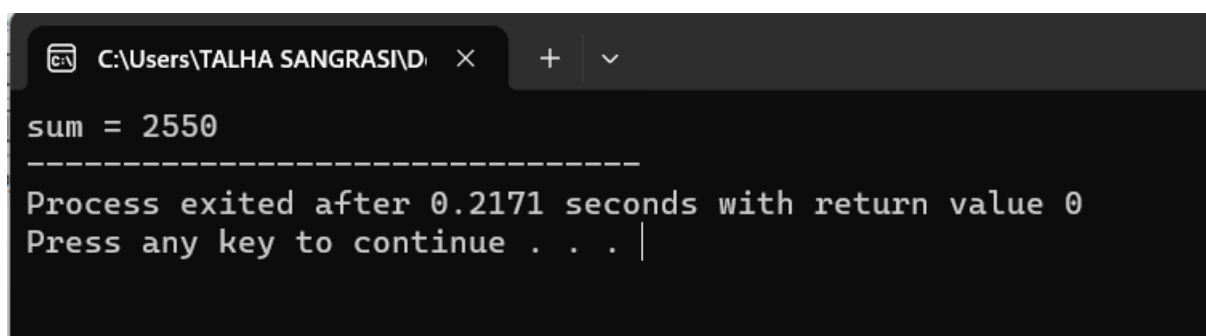
        even+= number;
        number+=2;

    }

    while(number<=100);

    cout<<"sum = "<<even;

}
```



The screenshot shows a Windows command prompt window with a dark background. The title bar at the top indicates the file path 'C:\Users\TALHA SANGRASI\...' and includes standard window controls. The output of the program is displayed in a monospaced font: 'sum = 2550' followed by a horizontal line of dashes. Below this, it says 'Process exited after 0.2171 seconds with return value 0' and 'Press any key to continue . . . |' with a cursor at the end of the line.

Task 04

```
#include <iostream>

using namespace std;

int main()
{
    int i, sum=0;

    i = 1;

    do{

        sum=sum + (i*i);

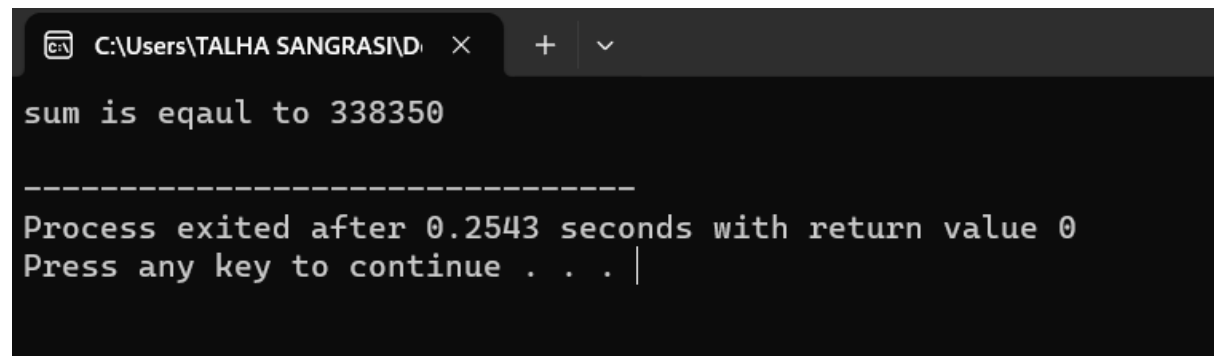
        i++;

    }

    while(i<=100);

    cout<<"sum is eqaul to "<<sum<<endl;

}
```



The screenshot shows a Windows command prompt window with a dark background. The title bar at the top indicates the file path 'C:\Users\TALHA SANGRASI\D...' and includes standard window controls. The output of the program is displayed in a monospaced font: 'sum is eqaul to 338350' followed by a horizontal line of dashes. Below the dashes, it says 'Process exited after 0.2543 seconds with return value 0' and 'Press any key to continue . . . |' with a cursor at the end.

```
C:\Users\TALHA SANGRASI\D... × + ▾
sum is eqaul to 338350
-----
Process exited after 0.2543 seconds with return value 0
Press any key to continue . . . |
```

Task 05

```
#include <iostream>

#include <cmath>

using namespace std;

int main ()

{
    int result;

    double x(2),i(0);


    do {

        double result= pow(x,i);

        cout<<result<<endl;

        i++;


    }while(i<=20);

    return 0;

}
```

C:\Users\TALHA SANGRASI\D

+

▼

```
1
2
4
8
16
32
64
128
256
512
1024
2048
4096
8192
16384
32768
65536
131072
262144
524288
1.04858e+006
```

```
Process exited after 0.1913 seconds with return value 0
Press any key to continue . . . |
```

Task 06

```
#include <iostream>

using namespace std;

int main ()

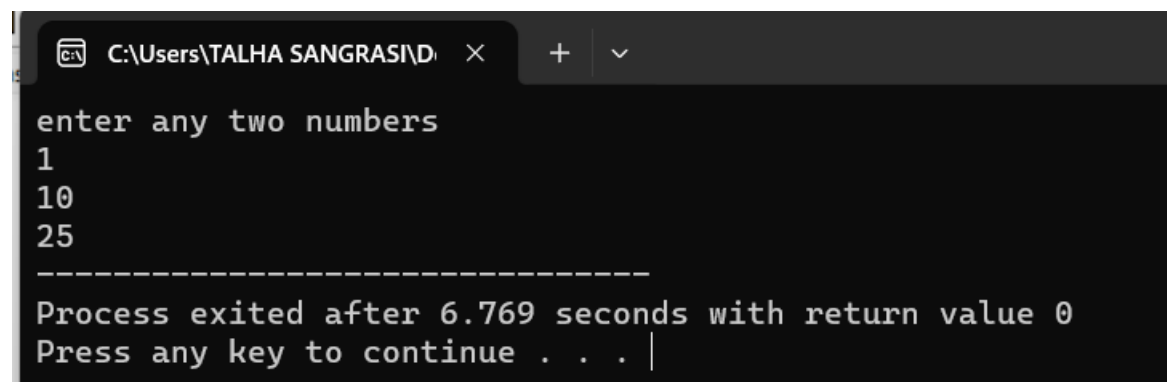
{
    int num1,num2,sum = 0;

    cout<<"enter any two numbers"<<endl;
    cin>>num1>>num2;


    do{
        if (num1%2 != 0){
            sum += num1;
        }
        num1 ++;
    }while(num1<=num2);


    cout<<sum;

}
```



```
C:\Users\TALHA SANGRASI\D>
enter any two numbers
1
10
25
-----
Process exited after 6.769 seconds with return value 0
Press any key to continue . . . |
```