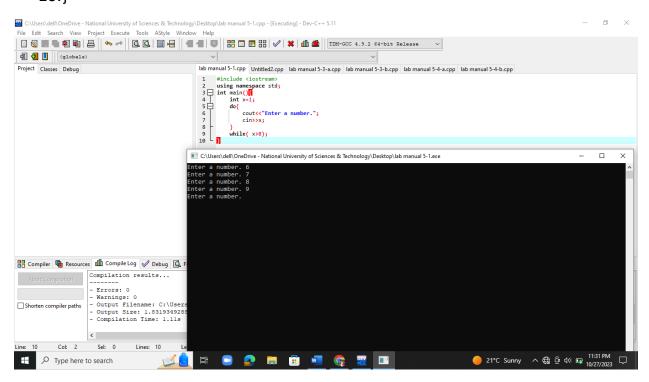
Lab Manual:

Lab task:

Question 1:

- 1. #include <iostream>
- 2. using namespace std;
- 3. int main(){
- 4. int x=1;
- 5. do{
- 6. cout<<"Enter a number.";
- 7. cin>>x;
- 8.
- 9. while(x>0);
- 10.}



Question 2:

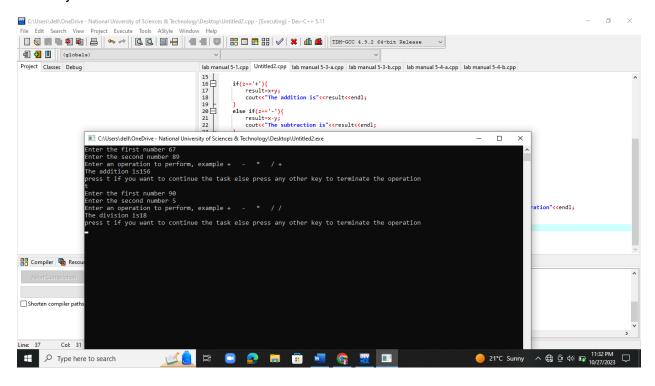
- 1. #include <iostream>
- 2. using namespace std;
- 3. int main(){

```
4.
          double x,y,result;
5.
          char operation, action, z;
6.
7.
          do{
8.
          cout<<"Enter the first number";
9.
          cin>>x;
          cout<<"Enter the second number";
10.
11.
          cin>>y;
          cout<<"Enter an operation to perform, example + - * /";
12.
13.
          cin >>z;
14.
15.
16.
          if(z=='+'){}
17.
                 result=x+y;
                 cout<<"The addition is"<<result<<endl;</pre>
18.
19.
          else if(z=='-'){
20.
21.
                result=x-y;
22.
                cout<<"The subtraction is"<<result<<endl;</pre>
23.
          }
          else if(z=='*'){
24.
25.
                 result=x*y;
                 cout<<"The multiplication is"<<result<<endl;</pre>
26.
27.
          }
          else if(z=='/'){
28.
29.
                 result=x/y;
                cout<<"The division is"<<result<<endl;</pre>
30.
31.
          }
32.
33.
          cout<<"press t if you want to continue the task else press any other
34.
   key to terminate the operation"<<endl;
35.
          cin >> action;
36.
                while(action == 't');
37.
          }
```

```
38.
```

39.

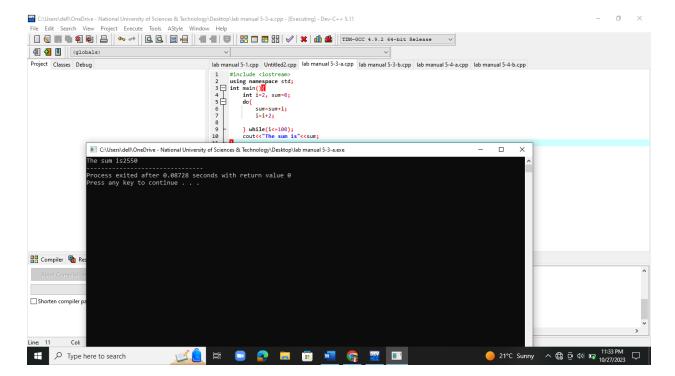
40.}



Question 3 part a:

```
1. #include <iostream>
```

- 2. using namespace std;
- 3. int main(){
- 4. int i=2, sum=0;
- 5. do{
- 6. sum=sum+i;
- 7. i=i+2;
- 8.
- 9. } while(i<=100);
- 10. cout<<"The sum is"<<sum;
- 11.}



Question 3 part b;

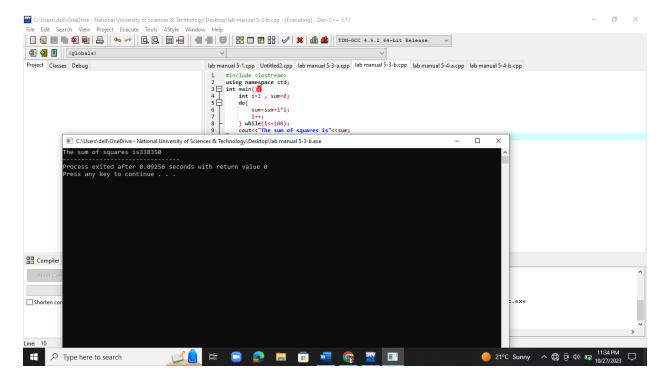
```
1. #include <iostream>
```

```
2. using namespace std;
```

```
3. int main(){
```

```
4. int i=1, sum=0;
```

- 5. do{
- 6. sum=sum+i*i;
- 7. i++;
- 8. } while(i<=100);
- 9. cout<<"The sum of squares is"<<sum;
- 10.}



Question 4 part a:

```
1. #include <iostream>
2. #include <math.h>
3. using namespace std;
4. int main(){
5.
         cout<<"The values of powers of 2 from 0 to 20 "<<endl;
6.
7.
         do{
               a=pow(2,x);
8.
9.
               x++;
10.
               cout<<a<<endl;
11.
         }
12.
         while( x<=20);
13.
14.
15.}
```

```
## Resource

| Compiler | Resource
| Resource
| Compiler | Resource
| Resourc
```

Question 4 part b:

```
1. #include <iostream>
2. using namespace std;
3. int main(){
         int a,b,sum;
4.
5.
         cout<<"Enter the first number";
6.
         cin>>a;
         cout<<"Enter the second number";
7.
8.
         cin>>b;
         do{
9.
                if(a\%2==1){
10.
11.
                      sum=sum+a;
12.
13.
14.
                a++;
         }while(a<=b);</pre>
15.
         cout<<"The sum of odd numbers is"<<sum;
16.
17.}
```

