

Programming lab Task

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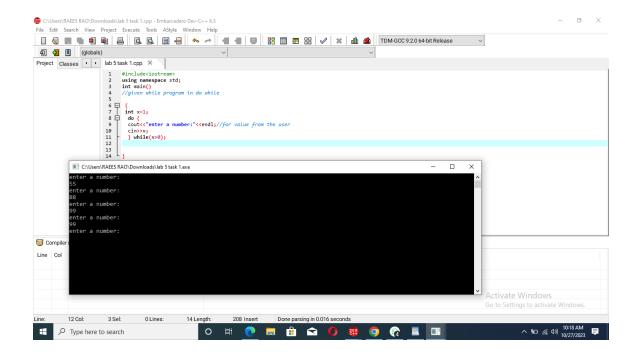
Section

Lab task No:5

Lab Q.No:1

```
#include<iostream>
using namespace std;
int main()
//given while program in do while

{
  int x=1;
  do {
    cout<<"enter a number:"<<endl;//for value from the user
    cin>>x;
  } while(x>0);
}
```



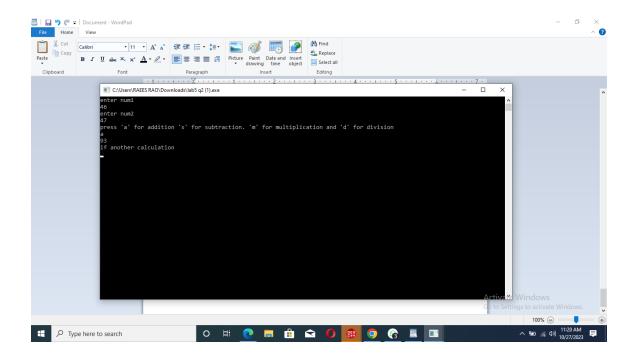
lab Q.No:02

```
#include<iostream>
using namespace std;
//program using switch case to form calculator
//by using do while loop
int main() {

int num1,num2;
char operation;
int repeat;

do{
cout<<"enter num1"<<endl;
cin>>num1;
```

```
cout<<"enter num2"<<endl;
 cin>>num2;
 cout<<"press 'a' for addition 's' for subtraction. 'm' for multiplication and 'd' for division"<<endl;
 cin>>operation;
  switch(operation){
  // made different buttons
  case 'a':
  cout<<num1+num2<<endl;
  break;
  case 's':
  cout<<num1-num2<<endl;</pre>
  break;
  case 'm':
  cout<<num1*num2<<endl;</pre>
  break;
  case 'd':
  cout<<num1/num2<<endl;
  break;}
cout<<"if another calculation"<<endl;//for another calculation
  cin>>repeat;//for repeatation
 } while(repeat=='Y'||repeat=='y');
 }
```



Lab Q.No:04

(a)

```
#include<iostream>
#include<iomanip>
using namespace std;

int main() {
  int i;//For declaration

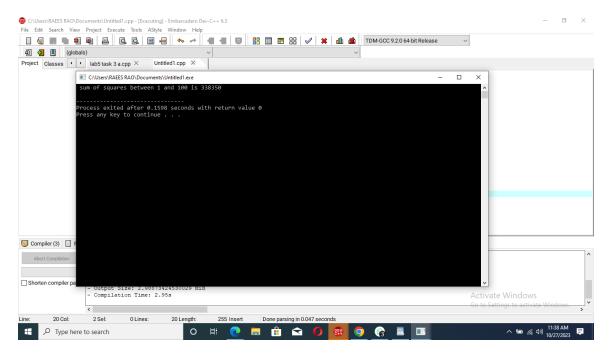
int sum;
  i=3;
```

sum=0;//for sum of odd numbers

```
{
 if(i%2==0){ sum=sum+i;
  } i++;
 }
 cout<<"sum is "<<sum<<endl;
 return 0;
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Project Classes • • lab5 task 3 a.cpp × [*] Untitled1 ×
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```

Q.No:3 (b) #include <iostream> using namespace std;

```
int main()
 {
     int sum = 0;
     int i = 1;
     do {
          sum += i*i;
           i++;
     }
      while (i <= 100);
     cout << " sum of squares between 1 and 100 is " <<sum<< endl;</pre>
}
```



Lab Q.No:03(a)

```
#include <iostream>
using namespace std;
int main()
{
    int sum = 0;
    int i=2;
    do {
        sum += i;
```

```
i += 2;
    }
      while (i <= 100);
    cout << " sum of even numbers between 2 and 100 is " << sum <<
endl;
}
                                                            Q.No:4a
#include <iostream>
#include <cmath>
using namespace std;
int main()
 {
    int exponent = 20;
    do {
```

```
double double result = pow(2, exponent);
  cout << "2^" << exponent << " = " << result << endl;
  exponent++;
} while (exponent <= 220);</pre>
```