



NUST

NATIONAL UNIVERSITY
OF SCIENCES & TECHNOLOGY

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ME15-C

LAB MANUAL 5(LAB TASK)

LABTASK 1:

```
#include<iostream>

using namespace std;

int main(){

    int x = 1;

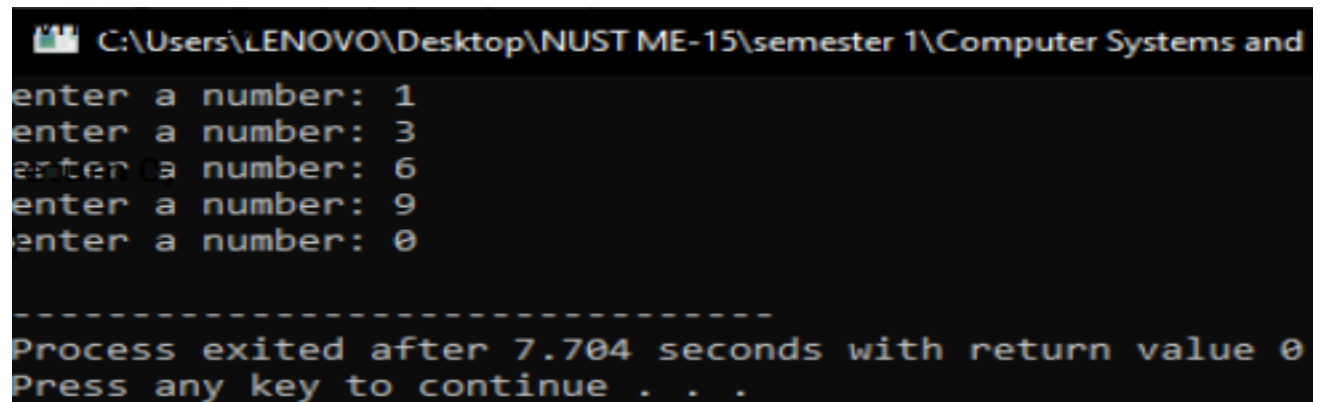
    do { cout << "enter a number: ";

        cin >> x; }

    while (x > 0);

    return 0

}
```



```
C:\Users\LENOVO\Desktop\NUST ME-15\semester 1\Computer Systems and
enter a number: 1
enter a number: 3
enter a number: 6
enter a number: 9
enter a number: 0

-----
Process exited after 7.704 seconds with return value 0
Press any key to continue . . .
```

LABTASK 3a:

```
#include<iostream>

using namespace std;

int main(){
    int y=2,s=0;

    cout << y;

    do{
        s = s + y;

        y = y + 2;

        cout << "+"<<y;

    }while(y<100);

    cout<<"="<<s;

}
```

2+4+6+8+10+12+14+16+18+20+22+24+26+28+30+32+34+36+38+40+42+44+46+48+50+52+54+56+58+60+62+64+66+68+70+72+74+76+78+80+82+84+86+88+90+92+94+96+98+100=2450

.....

Process exited after 0.1131 seconds with return value 0

Press any key to continue . . . ■

LABTASK 3b:

```
#include<iostream>

using namespace std;

int main(){
int y=1,sq=0,s = 0;

cout << y;

do{
y = y + 1;

sq = y * y;

s = s + sq;

cout << "+"<<sq;
}while(y<100);

cout<<"="<<s;

}
```

```
1+4+9+16+25+36+49+64+81+100+121+144+169+196+225+256+289+324+361+400+441+484+529+576+625+676+729+784+841+900+961+1024+1089+1156+1225+1296+1369+1444+1521+1600+1681+1764+1849+1936+2025+2116+2209+2304+2401+2500+2601+2704+2809+2916+3025+3136+3249+3364+3481+3600+3721+3844+3969+4096+4225+4356+4489+4624+4761+4900+5041+5184+5329+5476+5625+5776+5929+6084+6241+6400+6561+6724+6889+7056+7225+7396+7569+7744+7921+8100+8281+8464+8649+8836+9025+9216+9409+9604+9801+10000=338349
```

.....

Process exited after 0.1223 seconds with return value 0

Press any key to continue . . .

