



LAB 2

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Task 1

```
//NAME: ABDUL REHMAN
#include<iostream>
using namespace std;
int main()
{
    // LAB 2 TASK#1
    int a;
    int b;
    int c;
    cout<<"add 3 no"<<endl;
    cin>>a;
    cin>>b;
    cin>>c;
    cout<<"A+B+C="<<a+b+c<<endl;
    return 0;
}
```

```
C:\Users\LENOVO\Documents\lab 2 task1.exe
add 3 no
1
2
3
A+B+C=6
-----
Process exited after 9.482 seconds with return value 0
Press any key to continue . . .
```

Task2

```
//NAME: ABDUL REHMAN
#include<iostream>
using namespace std;
int main()
{
    // LAB 2 TASK#2
    int a;
    int DIVI;
    int qout;
    int remain;
    cout<<"enter quotient and remainder"<<endl;
    cin>>a;
    cin>>DIVI;
    qout=a/DIVI;
    remain=a%DIVI;

    cout<<"QUOTIENT="<<qout<<endl;
    cout<<"REMAINDER="<<remain<<endl;
    return 0;
}
```

```
C:\Users\LENOVO\Documents\lab 2 task2.exe
enter quotient and remainder
122
12
QUOTIENT=10
REMAINDER=2
-----
Process exited after 3.647 seconds with return value 0
Press any key to continue . . .
```

Task3

```
//NAME: ABDUL REHMAN
#include<iostream>
using namespace std;
main()
{
    // LAB 2 TASK#3
    int a;
    int b;
    int c;
    cout<<"\t\tBefore swaping:"<<endl;
    cout<<"the value of a=";
    cin>>a;
    cout<<"the value of b=";
    cin>>b;
    c=a;
    a=b;
    b=c;
    cout<<"\t\tAfter swaping"<<endl;
    cout<<"the value of a="<<a<<endl;
    cout<<"the value of b="<<b<<endl;
    return 0;
}
```

```
C:\Users\LENOVO\Documents\lab 2task 3.exe
Before swaping:
the value of a=12
the value of b=10
After swaping
the value of a=10
the value of b=12
-----
Process exited after 7.342 seconds with return value 0
Press any key to continue . . .
```

Task 4

```
//NAME:ABDUL REHMAN
#include<iostream>
using namespace std;
main()
//LAB2 TASK 4
{
    int A;
    cout<<"enter the number=";
    cin>>A;
    cout<<A/1000<<"|"; // 1
    A=A%1000; // A=1638%1000 ==> 638
    cout<<A/100<<"|"; // PRINT 638/100 ==> 6
    A=A%100; // 38
    cout<<A/10<<"|";
    A=A%10;
    cout<<A;
    return 0;
}
```

```
C:\Users\LENOVO\Documents\lab2 task4.exe
enter the number=1638
1|6|3|8
-----
Process exited after 3.853 seconds with return value 0
Press any key to continue . . .
```

Task 5

```
//NAME: ABDUL REHMAN
#include<iostream>
using namespace std;
int main()
{
    // LAB 2 TASK#5
    int sec;
    int hour;
    int min;
    cout<<"conversion of sec into Hour and min:"<<endl;
    cin>>sec; // 7500
    hour=sec/3600; // hour=7500/3600 ==> 2
    cout<<"SEC INTO HOUR="<<hour<<endl; // cout==> 2
    hour=sec%3600; //
    min=hour/60;
    cout<<"hour into min="<<min<<endl;
    min=hour%60;
    sec=min%60;
    cout<<"min into sec="<<sec<<endl;
    return 0;
}
```

```
C:\Users\LENOVO\Documents\lab 2 task 5.exe
conversion of sec into Hour and min:
10000
SEC INTO HOUR=2
hour into min=46
min into sec=40
-----
Process exited after 38.94 seconds with return value 0
Press any key to continue . . .
```