



NUST
NATIONAL UNIVERSITY
OF SCIENCES & TECHNOLOGY

FUNDAMENTALS OF PROGRAMMING

LAB # 3 TASKS

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CLASS:ME-15

SECTION:B

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//TASK 1

```
//#include <iostream>

//using namespace std;

//int main()

//{

//    double num1,num2,num3,num4,num5,num6;

//    cout<<"Input number 1 : ";

//    cin>>num1;

//    cout<<"Input number 2 : ";

//    cin>>num2;

//    char operator_;

//    cout<<"Enter the operator : ";

//    cin>>operator_;

//    cout<<"Your answer is : ";

//    switch (operator_)

//    {

//        case '+':

//            num3=num1+num2;

//            cout<<num3;

//            break;

//

//        case '-':

//            num4=num1-num2;

//            cout<<num4;

//            break;

//

//        case '*':

//            num5=num1*num2;

//            cout<<num5;
```

```

//      break;
//
//      case '/':
//      num6=num1/num2;
//      cout<<num6;
//      break;
//      default:
//      cout<<"Please enter a valid operator.";
//
//  }
//  return 0;
//}
//

```

```

Input number 1 : 7
Input number 2 : 9
Enter the operator : /
Your answer is : 0.777778
-----
Process exited after 8.411 seconds with return value 0
Press any key to continue . . .

Input number 1 : 7
Input number 2 : 9
Enter the operator : *
Your answer is : 63
-----
Process exited after 7.928 seconds with return value 0
Press any key to continue . . .

```

```

Input number 1 : 7
Input number 2 : 9
Enter the operator : +
Your answer is : 16
-----
Process exited after 7.051 seconds with return value 0
Press any key to continue . . .

Input number 1 : 9
Input number 2 : 7
Enter the operator : -
Your answer is : 2
-----
Process exited after 13.76 seconds with return value 0
Press any key to continue . . .

```

// _____

//TASK 2

```

// #include <iostream>
// using namespace std;
// int main()
// {
//     int month;
//     cout<<"Enter the number of month : ";
//     cin>>month;
//     cout<<"The number of days in this month are ";
//     switch(month)
//     {
//         case 1:
//             cout<<"31";
//             break;
//         case 2:
//             cout<<"28";
//             break;
//     }
// }

```

```
//
//      case 3:
//          cout<<"31";
//          break;
//
//      case 4:
//          cout<<"30";
//          break;
//
//      case 5:
//          cout<<"31";
//          break;
//
//      case 6:
//          cout<<"30";
//          break;
//
//      case 7:
//          cout<<"31";
//          break;
//
//      case 8:
//          cout<<"31";
//          break;
//
//      case 9:
//          cout<<"30";
//          break;
//
```

```

//          case 10:
//              cout<<"31";
//              break;
//
//          case 11:
//              cout<<"30";
//              break;
//
//          case 12:
//              cout<<"31";
//              break;
//          default:
//              cout<<"Month number should be between 1 and 12";
//      }
//      return 0;
//}
//

```

```

Enter the number of month : 2
The number of days in this month are 28
-----
Process exited after 3.142 seconds with return value 0
Press any key to continue . . .

```

```
//_____
```

//TASK 3

```

//#include <iostream>
// using namespace std;
// int main()
// {
//     int a,b;
//     cout<<"Enter value of A : ";

```

```

//      cin>>a;
//      cout<<"Enter value of B : ";
//      cin>>b;
//      if(a!=b){
//          if(a>b){
//              cout<<"A is greater than B.";
//          }
//          else {
//              cout<<"B is greater than A. ";
//          }
//      }
//      else {
//          cout<<"A and B are equal.";
//      }
//      return 0;
//  }
//

```

```

Enter value of A : 9
Enter value of B : 2
A is greater than B.
-----
Process exited after 5.651 seconds with return value 0
Press any key to continue . . .

```

```

Enter value of A : 3
Enter value of B : 5
B is greater than A.
-----
Process exited after 33.51 seconds with return value 0
Press any key to continue . . .

```

//

//TASK 4

```

//#include <iostream>

```

```
// using namespace std;

// int main()

// {

//     int m,n;

//     cout<<"Enter value of m : ";

//     cin>>m;

//     cout<<"Value of n is : ";

//     if (m!=0)

//     if(m>0)

//     {

//         n=1;

//     }

//     else {

//         n=-1;

//     }

//     else{

//         n=0;

//     }

//     cout<<n;

// return 0;

// }

//
```



```
Enter value of m : 3
Value of n is : 1
-----
Process exited after 18.99 seconds with return value 0
Press any key to continue . . .
```

```
Enter value of m : 0
Value of n is : 0
-----
Process exited after 2.286 seconds with return value 0
Press any key to continue . . .
```

```
Enter value of m : -6
Value of n is : -1
-----
Process exited after 7.728 seconds with return value 0
Press any key to continue . . .
```

// _____