

Lab 6

Conditional Statements in C

Marks: 6

Question 01:

Calculate roots of quadratic equation based on user input and also decide whether the roots are equal, real or imaginary.

Question 02:

By using switch case, perform following tasks:

- a) Take input from user and decide whether given character is vowel or consonant.
- b) Take an integer by user as day number and display day name.

Example: 1 --> Monday , 2 --> Tuesday and so on.

Question 03:

Write a program which takes 10 input numbers and display the second largest number

Question 04:

Write a program for simple calculator with Switch-Statements.

Question 05:

1. Write a program that determine whether a person is qualified to become a Manager of an organization or not, based on the Post, experience and trainings received. The criteria for promotion is as follow:
Post: Assistant manager
Experience: More than 8 years
No. of trainings received: 5 or more
If the person can't fulfill the requirements, then the program prompt as below:
"Become Assistant Manager first." OR "Need more trainings" OR "Need more experience" According to which requirement he fails to fulfill.

```
Enter your post (1- Assistant manager, 2- junior manager): 1
Enter your experience: 8
Enter no. of trainings you received: 4
Sorry! You Need More Trainings
```

Question 06:

1. Find errors and remove them.

```
#include <stdio.h>
```

```
int main()
{
    int i=2;
    switch (i);
    {
        case 1;
            printf("Case1 ");
        case 2;
            printf("Case2 ");
        case 3;
            printf("Case3 ");
        case 4;
            printf("Case4 ");
        default:
            printf("Default ");
    }
    return 0;
}
```