

LAB ASSIGNMENT-6

Submission Date: 16-09-21

Q1. Given `int a[5] = {10, 20, 30, 40, 50};`
`int *p=a, *q=(&a+1) - 1;`
evaluate following expressions(Write all of them in separate printf)
`*p++, *++p, (*p)++, ++(*p), ++*p, *(p++)`, `*(++p)`
`*q--`, `*--q`, `--(*q)`, `--*q`,
`(*q)--`, `*(q--)`, `*(--q)`

Q2. Write a function to swap two variables Pass by reference.

Q3. What's wrong in this code, any fixes to the problem?

```
int* test(int x)
{
    int y=x*x;
    return &y;
}
```

Q4. Write a program to find sum of n numbers.(Use functions.Don't Use global variable)

Q5. Write a program to find factorial of n.(Use functions.Don't Use global variable)

Q6. Create an employee structure with the following members
empid, employee name, salary, year of joining.

Accept the data for certain no. of employees and print it.(Use function)

Q7. WAP to Addition of two arrays(Use functions.Don't Use global variable)

Note: Submit Later

1. Write a single function to return sum, product of two no.s
2. Implement q6 as menu driven with below functionality:
 - Add employee
 - Display employee
 - Search employee by empid
 - Change employee name(First search by empid then change)