

Lab 09

Pointers

Lab objectives

After completing this lab, the students should be able to

- Declare, initialize and use pointers
- Understand the difference between pointers and arrays

Task: 01

Re-write the following code using pointers instead of array.

```
int main(void)
{
    int salary[20];
    int i;
    for (i=0;i<20;++i)
    {
        cout <<"Enter Salary: ";
        cin >>salary[i];
    }

    for (i=0;i<20;++i)
    {
        cout <<salary[i];
    }

    return 0;
}
```

Task: 02

Write a program that takes the salaries of 'N' UET employees (where 'N' is entered by the user) and finds their average salary.

Task: 03

Write a function which, given a char array and two integers, will return a char * which holds the section between the two integers. Return the null pointer if it's not possible. The signature of the function should look like this.

```
char *substr(char arr[], int start, int stop);
```