

## CS6101- Programming with C

### Week 11

#### Programs

1. Write a c program to create a pointer array of size 10. Define the function called `int *[] sort (ptr)` to return the elements in the descending order and display the same.
2. Write a c program to create array of pointer say `char *names[]={“bob”, “steve”, “Patrick”,.....}`. Write a function called `void sort (char *)` to display the names in the order of their length. (either descending or ascending)
3. Write a c program to create a integer pointer array of size 10. Define the function called `int *[] print (ptr)` to return the odd elements of an array.
4. Write a c program to create a 2D pointer array and read the elements from the user by allocating memory dynamically using `malloc/ calloc` and print the same.
5. Write a c program to create a 2D pointer array of size 4\*4. Define the function called `int sum (ptr)` to return sum of diagonal elements of an array and display the same.