PROBLEM 1(STRING COMPARISION)

```c
#include<stdio.h>
#include<string.h>
int main(int argc, char const *argv[])
{
    int result;
    result=0;
    char a[100];
    char b[100];
    printf("Enter the string A:\n");
    gets(a);
    printf("\nEnter the string B:\n");
    gets(b);
    int i;
    i=0;
    while(a[i]!='\0'|| b[i]!='\0')
    {
        if(a[i]!=b[i])
        {
            result=a[i]-b[i];
            break;
        }
        i++;
    }
    printf("%d",result);
    return 0;
}
```

PROBLEM 2(STRING REVERSAL OF WORDS)

```c
#include<stdio.h>
#include<string.h>
int main(int argc, char const *argv[])
{
    int result;
    result=0;
    char a[100];
    printf("Enter the string A:\n");
    gets(a);
    int n;
    for(n=0;a[n]!='\0';++n);
    for (int i = n-1; i>+0; --i)
    {
        if (a[i]==' ')
        {
            a[i]='\0';
            for (int k = i+1; a[k]!='\0'; ++k)
            {
                printf("%c",a[k]);
```

```
        }
      printf(" ");
    }
  }
  printf("%s",a);
  return 0;

}
```

OUTPUT:

Enter the string A:
i love india
india love i

POINTERS

USED TO ACCESS HEAP MEMORY SECTION

POINTER VARIABLE:(*)

THE VARIABLE THAT STORES THE ADDRESS OF THE ANOTHER VARIABLE