Predefined Functions

```c
#include<stdio.h>

#include<stdlib.h>

#include<string.h>

#include <math.h>


int main()
{
    printf("strcmp()\n");

    char leftStr[] = "Dheeraj";

    char rightStr[] = "Dheeraj";

    int res = strcmp(leftStr, rightStr);

    if (res==0)

        printf("Strings are equal");

    else

        printf("Strings are unequal");

    printf("\nValue returned by strcmp() is:  %d" , res);



    printf("\n\nstrcpy()\n");

    char str1[]="Prabhas";

    char str2[] = "Ram Charan";

    char str3[40];

    strcpy(str2, str1);

    strcpy(str3, "Copy successful");

    printf("str1: %s\nstr2: %s\nstr3: %s",str1,str2,str3);



    printf("\n\nstrrev()\n");

    char str[50] = "Bahubali";

    printf("The given string is =%s\n",str);

    printf("After reversing string is =%s",strrev(str));
```

```c
printf("\n\nstrlen()\n");
char strg[] = "Magadheera";
printf("Length of string is: %d", strlen(strg));



printf("\n\nstrupr()\n");
char string[ ] = "dheeraj is intelligent and smart";
printf("%s", strupr (string));



printf("\n\nstrclwr()\n");
char strin[ ] = "ISWARYA IS A GOOD GIRL";
printf("%s", strlwr (strin));



printf("\n\npow()\n");
double x = 6.1, y = 4.8;
double result = pow(x, y);
printf("%.2lf", result);



printf("\n\nsqrt()\n");
int N = 64;
printf("%f", sqrt(N));



printf("\n\nceil()\n");
double value;
double resultr;
value = 1.4;
```

```c
    resultr = ceil(value);
    printf("The ceil of %f is %f", value, resultr);



    printf("\n\nfloor()\n");
    double values;
    double resut;
    value = 1.8;
    resut = floor(value);
    printf("The floor of %f is %f", value, resut);



    printf("\n\nrand()\n");
    srand(time(0));
    for(int i = 0; i<4; i++)
    printf("%d\n", rand());

    return 0;
}
```