

ASSIGNMENT-6

```
//strcmp//  
#include<stdio.h>  
#include<string.h>  
int main()  
{  
    char str1[]="lion",str2[]="lion",str3[]="lion";  
    int result;  
    result=strcmp(str1,str2);  
    printf("strcmp(str1,str2)=%d\n",result);  
    result=strcmp(str1,str3);  
    printf("strcmp(str1,str3)=%d\n",result);  
    return 0;  
}
```

```
//strcpy//  
#include<stdio.h>  
#include<string.h>  
int main()  
{  
    float base,power,result;
```

```
base=10,power=2,result=100;
printf("%f*%f=%f",base,power,result);
return 0;
}
```

```
//strrev//
#include<stdio.h>
#include<string.h>
int main()
{
    char name[20]="top";
    printf("string before strrev():%s\n",name);
    printf("string after strrev():%s",strrev(name)) ;
    return 0;
}
```

```
//strlen//
#include<stdio.h>
#include<string.h>
int main()
{
    char a[20]="maya";
```

```
char b[20]={'a','p','p','l','e'};
printf("length of string a=%d\n",strlen(a));
printf("length of string b=%d\n",strlen(b));
return 0;
}
```

```
//strupr//
#include<stdio.h>
#include<string.h>
int main()
{
    char str[20];
    printf("enter string:");
    gets(str);
    //reads string from console//
}
```

```
    printf("string is :%s",str);  
    printf("\n upper string is :%s",strupr(str));  
    return 0;  
  
}
```

```
//strlwr//  
#include<stdio.h>  
#include<string.h>  
int main()  
{  
    char str[]="HAVE A GOOD DAY";  
    //converting the given string into lowercase;  
    printf("%s\n",strlwr(str));  
    return 0;  
}
```

```
//power//  
#include<stdio.h>  
#include<math.h>  
int main()
```

```

{
    float base,power,result;
    printf("enter the base number:");
    scanf("%f",&base);
    printf("enter the power raised:");
    scanf("%f",&power);
    result=pow(base,power);
    printf("%f^%f=%f",base,power,result);
    return 0;
}

```

```

//sqrt//
//square root of any number//
#include<stdio.h>
#include<math.h>
int main()
{
    float num =16 , squareroot;
    squareroot= sqrt(num);
    printf("square root of %f=%f",num,squareroot);
    return 0;
}

```

```
//ceil//  
#include<stdio.h>  
#include<math.h>  
int main()  
{  
    double num =5.89;  
    int result;  
    result =ceil(num);  
    printf("ceiling integer of %.2f=%d",num,result);  
    return 0;  
}
```

```
//floor//  
#include<stdio.h>  
#include<math.h>  
int main()  
{  
    double num = 5.89;  
    int result;  
    result = floor(num);  
    printf("floor integer of %.2f=%d",num,result);  
    return 0;
```

```
}
```

```
//rand//
```

```
#include<stdio.h>
```

```
#include<stdlib.h>
```

```
int main (void)
```

```
{ for(int i=0;i<5;i++)
```

```
    printf("%d",rand());
```

```
return 0;
```

```
}
```

