

## P 5.7

```
#include<stdio.h>
int main(void)
{
    char name[30];
    printf("Please enter your name : ");
    gets(name);
    printf("Good morning ");
    puts(name);
}
```

Please enter your name : Suthep Madarasmi  
Good morning Suthep Madarasmi

## P 5.16

```
#include<stdio.h>
#include<math.h>
#define pi 3.1416
int main(void)
{
    float degree, radians;
    printf("Please enter a degree : ");
    scanf("%f", &degree);
    radians = degree*pi/180;
    printf("sin(%0.4f) is %0.4f\n", degree, sin(radians));
    printf("cos(%0.4f) is %0.4f\n", degree, cos(radians));
    printf("tan(%0.4f) is %0.4f\n", degree, tan(radians));
}
```

Please enter a degree : 30 ↵  
sin(30.000) is 0.5000  
cos(30.000) is 0.8660  
tan(30.000) is 0.5774

## ฟังก์ชัน strcmp

```
#include<stdio.h>
#include<string.h>
int main(void)
{
    char Name[20];
    int A, B;
    strcpy( Name, "Sam");
    printf("Your name is %s.\n", Name);
    A = strcmp(Name,"Sombut");
    printf("The difference of %s and %s is %d.\n",Name,"Sombut",A);
    B = strcmp(Name,"Sam");
    printf("The difference of %s and %s is %d.\n", Name, "Sam", B);
}
```

Your name is Sam.  
The difference of Sam and Sombut is -14.  
The difference of Sam and Sam is 0.