

## SOURCE CODE

```
#include<stdio.h>
#include<math.h>
#define PI 3.1416
int main() {
    float a = 0, b = 2*PI, h, x, sinx, n = 100;
    h = (b-a)/n;
    x = a; sinx = sin(x);
    printf("  \"x\"  , \"sin(x)\"\\n");
    printf("%lf , %lf\\n", x, sinx);
    for(int i = 1; i<=n; i++) {
        x += h; sinx = sin(x);
        printf("%lf , %lf\\n", x, sinx);
    }
}
```

## OUTPUT

"x" , "sin(x)"

0.000000 , 0.000000

0.062832 , 0.062791

0.125664 , 0.125334

0.188496 , 0.187382

0.251328 , 0.248690

0.314160 , 0.309018

0.376992 , 0.368125

0.439824 , 0.425780

0.502656 , 0.481755

0.565488 , 0.535828

0.628320 , 0.587786

0.691152 , 0.637425

...

5.654873 , -0.587780

5.717705 , -0.535822

5.780537 , -0.481748

5.843369 , -0.425774

5.906200 , -0.368119

5.969032 , -0.309011

6.031864 , -0.248684

6.094696 , -0.187375

6.157528 , -0.125327

6.220360 , -0.062784

6.283192 , 0.000006

# CHART

