

```
#include<stdio.h>

float fun(float x,float y)
{
    float f;
    f=x+y;
    return f;
}

int main()
{
    float a,b,x,y,h,t,k;
    printf("\nEnter x0,y0,h,xn: ");
    scanf("%f%f%f%f",&a,&b,&h,&t);
    x=a;
    y=b;
    printf("\n  x\t y\n");
    while(x<=t)
    {
        k=h*fun(x,y);
        y=y+k;
        x=x+h;
        printf("%0.3f\t%0.3f\n",x,y);
    }
    return 0;
}
```

```
C:\TURBOC3\BIN>TC
```

```
Enter x0,y0,h,xn: 0
```

```
1
```

```
1
```

```
4
```

| x | y |
|-------|--------|
| 1.000 | 2.000 |
| 2.000 | 5.000 |
| 3.000 | 12.000 |
| 4.000 | 27.000 |
| 5.000 | 58.000 |

```
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```