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

/
*******************************************************************
*******
*Function       : main
*Input parameters: none
*RETURNS        : 0 on success
*******************************************************************
*******/

int main(void)
{

        int iDeg,i,iaCoeff[10];
        float fX,fSum=0;


printf("\n*****************************************************************
***********");
        printf("\n*\tPROGRAM TO EVALUATE A POLYNOMIAL USING HORNERS
METHOD\t    *\n");

printf("*****************************************************************
*********");

        printf("\nEnter the degree of the polynomial and value of x
\n");
        scanf("%d%f",&iDeg,&fX);

        printf("\nEnter the coefficients \n");
        for(i=0;i<=iDeg;i++)
        {
                scanf("%d",&iaCoeff[i]);
        }

        for(i=0;i<iDeg;++i)
        {
        fSum = (fSum + iaCoeff[i])*fX;
        }

        fSum = fSum + iaCoeff[iDeg];


        printf("\nValue of polynomial after evaluation=%f\n",fSum);

        return 0;
}
```