```c
#include<stdio.h>
int main()
{
    int x[10],y,lb,ub,j,num,diff;
    y=0;
    while(y<=9)
    {
        printf("Enter your numbers : ");
        scanf("%d",&x[y]);
        y++;
    }
    lb=0;
    ub=9;
    y=lb+diff;
    diff=(ub-lb+diff)/2;
    diff=diff/2;
    diff=diff/2;
    while(y<=ub)
    {
        num=x[y];
        j=y-diff;
    while(j>=lb && x[j]>num)
    {
        x[j+diff]=x[j];
        j--;
    }
    x[j+diff]=num;
    y++;
    }
    y=0;
    while(y<=9)
    {
        printf("%d\n",x[y]);
        y++;
    }
    return 0;
}
```