INSERTION SORT

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/***
              Program to Sort an Array using Insertion Sort ****/
#include <stdio.h>
void insertion sort();
int a[50],n;
main()
     int i;
     printf("\nEnter size of an array: ");
     scanf("%d", &n);
     printf("\nEnter elements of an array:\n");
     for(i=0; i<n; i++)
          scanf("%d", &a[i]);
     insertion sort();
     printf("\n\nAfter sorting:\n");
     for(i=0; i<n; i++)
          printf("\n%d", a[i]);
     getch();
}
void insertion sort()
     int j, k, temp;
     for(j=1; j<n; j++)
          temp = a[j];
          k = j-1;
          while (k>=0 \&\& a[k]>temp)
          {
               a[k+1] = a[k];
               k--;
          a[k+1] = temp;
     }
}
```