Day 5 Assignment

Q-1) #include<stdio.h>

int main(){

int i, j, count, temp, number[25];

printf("How many numbers u are going to enter?: ");

scanf("%d",&count);

printf("Enter %d elements: ", count);

// This loop would store the input numbers in array

for(i=0;i<count;i++)

scanf("%d",&number[i]);

// Implementation of insertion sort algorithm

for(i=1;i<count;i++){

temp=number[i];

j=i-1;

while((temp<number[j])&&(j>=0)){

number[j+1]=number[j];

j=j-1;

}

number[j+1]=temp;

}

printf("Order of Sorted elements: ");

for(i=0;i<count;i++)

printf(" %d",number[i]);

return 0;

}