1. Write the function for insertion sort.
2. void insertionSort(int array[], int n)

{

int i, element, j;

for (i = 1; i < n; i++)

{

element = array[i]; j = i - 1;

/\* Move elements of arr[0..i-1], that are greater than key by one position \*/

while (j >= 0 && array[j] > element)

{

array[j + 1] = array[j];

j = j - 1;

}

array[j + 1] = element;

}

}

2) Write a function to find the maximum element in the stack.

1. void max\_num(int stack[50], size)

{

for(i=0;i<50;i++)

{

if(top==size && stack[i++]>stack[i])

{

printf(“%d”,stack[i]);

}

else

{

max\_num()

}

}

}

3) Write a function to find the minimum element in the stack.

1. void min\_num(int stack[50], size)

{

for(i=0;i<50;i++)

{

if(top==size && stack[i++]<stack[i])

{

printf(“%d”,stack[i]);

}

else

{

min\_num()

}

}

}