***Exercise 1 –*** *Write a user defined function to swap two numbers using call by address concept. An example would be as follows:*

Enter two numbers: 25 45

Before swapping 25 , 45

After Swapping 45 , 25

*Program –*

#include<stdio.h>

void swap(int a, int b)

{

int \*p,\*q,temp;

p=&a;

q=&b;

printf("Enter two numbers: ");

scanf("%d%d",&a,&b);

printf("Before swapping %d , %d\n", a,b);

temp=\*q;

\*q=\*p;

\*p=temp;

printf("After Swapping %d , %d\n", a, b);

}

int main()

{

int a,b;

swap(a,b);

return 0;

}

*Output –*

Enter two numbers: 25 45

Before swapping 25 , 45

After Swapping 45 , 25

***Exercise 2 –*** *Store n no. of data during the execution of the program and print them in reverse order. An example would be as follows:*

Enter no. of elements: 6

Enter data

12

23

34

45

56

67

6 elements in the list in reverse order

67 56 45 34 23 12

*Program –*

#include<stdio.h>

#define SIZE 1000

int main()

{

int max, a, array[SIZE];

int \*ptr;

ptr = &array[0];

printf("\nEnter no. of elements: ");

scanf("%d", &max);

printf("\nEnter data\n");

for (a = 0; a < max; ++a)

{

scanf("%d", ptr);

++ptr;

}

ptr = &array[max - 1];

printf("\n%d elements in the list in reverse order\n", max);

for (a = max - 1; a >= 0; a--)

{

printf("%d ",\*ptr);

--ptr;

}

return 0;

}

*Output –*

Enter no. of elements: 6

Enter data

12

23

34

45

56

67

6 elements in the list in reverse order

67 56 45 34 23 12