CEW Lab 3

Q1. #include <stdio.h>

#include <stdlib.h>

int main() {

int num1;

int num2;

printf("Enter num1:");

scanf("%d",&num1);

printf("Enter num2:");

scanf("%d",&num2);

printf("Your num1 is=%d and num2 is=%d\n",num1,num2);

int \*ptr=&num1;

int \*xyz=&num2;

printf("Now swap the numbers\n");

printf("Num1 is=%d\nAnd num2 is=%d\n",\*xyz,\*ptr);

}

Q2.

. #include <stdio.h>

#include <stdlib.h>

int main() {

int n;

printf("Enter string length:");

scanf("%d",&n);

char str[n];

printf("Enter string:");

char\* stry=&str;

scanf("%s",&str);

for (int i=0 ; i<=n ; i++){

printf("%c",\*(stry+n-i));

}

Q3

. #include <stdio.h>

#include <stdlib.h>

int main() {

int m;

printf("\nEnter array length:");

scanf("%d",&m);

int arr[m];

int\* ary=&arr;

printf("Input array element:");

for(int j=0 ; j<m ;j++) {

scanf("%d",&\*(ary+j));

}

//int\* ary=&arr;

printf("Print the array element:");

for (int k=0 ; k<m ; k++){

printf("%d ",\*(ary+k));

}

Q4 . #include <stdio.h>

#include <stdlib.h>

int main() {

int value;

int b=0;

printf("\nEnter the element of array which you searched");

scanf("%d",&value);

for (int i=0; i<m ; i++){

if (\*(ary+i)==value){

printf("your searched value is:%d and its array %d element",\*(ary+i),i+1);

b=value;

}

}if (!b){

printf("Value is not in the array");

}

Q5. #include <stdio.h>

#include <stdlib.h>

int main() {

int mat1[3][3];

int mat2[3][3];

int res[3][3];

// int\* result=&res;

int\* ma1=&mat1;

int\* ma2=&mat2;

printf("\nEnter the element of 1st matrix:\n ");

for (int i=0;i<3;i++){

for(int j=0;j<3;j++){

printf("Enter %d element of %d row and %d column of 1st matrix:\n",j+1,i+1,j+1);

scanf("%d",&mat1[i][j]);

}

}printf("\nEnter the elements of 2nd matrix\n");

for (int i=0;i<3;i++){

for(int j=0;j<3;j++){

printf("Enter %d element of %d row and %d column of 2nd matrix:\n",j+1,i+1,j+1);

scanf("%d",&mat2[i][j]);

}

}

for (int i=0;i<3;i++){

for(int j=0;j<3;j++){

res[i][j]=\*(ma1+i \* 3+j)+ \*(ma2+i \* 3+j);

}

}

printf("The summation of two matix is:\n");

for (int i=0;i<3;i++){

for(int j=0;j<3;j++){

printf("%d\t",res[i][j]);

}printf("\n");

}

return 0;

}