Text, logo

Description automatically generatedTutorial: 9

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Exercise- 01

Graphical user interface, text

Description automatically generated

#include <stdio.h>

#include <string.h>

#define SIZE 150

int main(void)

{

char str[SIZE];

char riversWord[SIZE];

int i, j = 0;

printf("Enter Word: ");

scanf("%s", &str);

for(i = (strlen(str) - 1); i >= 0; i--)

{

riversWord[j++] = str[i];

}

if(strcmp(strlwr(str), strlwr(riversWord)) == 0)

{

printf("\n %s is a palindrome \n", str); //is palindrome

}

else

{

printf("\n %s is a not a palindrome \n", str); //not palindrome

}

return 0;

}

Exercise- 02

Graphical user interface, text

Description automatically generated

#include<stdio.h>

int main()

{

//create maritx

int matrix1[4][4] = {{5,7,8,10},{9,3,0,6},{8,1,9,2},{4,7,2,1}};

int matrix2[4][4] = {{2,2,1,3},{8,1,3,1},{1,2,2,4},{3,1,1,2}};

printf("matrix 1 output \n"); //print matrix 1

int i = 0,j=0;

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

{

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

{

printf("%d ",matrix1[i][j]);

}

printf("\n");

}printf("\n");

printf("matrix 2 output \n"); //print matrix 2

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

{

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

{

printf("%d ",matrix2[i][j]);

}

printf("\n");

}printf("\n");

printf("total matrix \n"); //print total matrix

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

{

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

{

printf("%d ",matrix2[i][j] + matrix1[i][j]);

}

printf("\n");

}

return 0;

}

Exercise- 03

Graphical user interface, text, application

Description automatically generated

#include <stdio.h>

int main (void)

{

int sales[4][5], i , j , total[5]={0};

for(i = 0 ; i < 4 ; i++)

{

printf("%d sales person\n", i + 1);

for(j = 0 ; j < 5; j++)

{

printf("\tEnter %d product sales : ", j + 1);

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

}

puts("");

}

for(j = 0 ; j < 5; j++)

{

for(i = 0 ; i < 4 ; i++)

{

total[j] +=sales[i][j];

}

printf("\n%d product total sales : %d", j+1, total[j]);

}

}