#### **DAY 15-DAILY ASSIGNMENTS**

26-11-2024

**ANSU MARIUM SHIBU** 

### 1. Problem Statement:

Write a program that defines a custom data type Complex using typedef to represent a complex number with real and imaginary parts. Implement functions to:

Add two complex numbers.

Multiply two complex numbers.

Display a complex number in the format "a + bi".

Input Example

Enter first complex number (real and imaginary): 3 4

Enter second complex number (real and imaginary): 12

**Output Example** 

Sum: 4 + 6i

Product: -5 + 10i

```
#include<stdio.h>
typedef float complex;
int main(){
   complex real1, imag1;
    complex real2, imag2;
    complex sumreal, sumimag;
    complex productreal, productimag;
    printf("enter first real and imag num:");
    scanf("%f %f", &real1, &imag1);
    printf("enter second real and imag num:");
    scanf("%f %f", &real2, &imag2);
    sumreal=real1+real2;
    sumimag=imag1+imag2;
    productreal=real1*real2 - imag1*imag2;
    productimag=real1*imag2 + imag1*real2;
    printf("sum: %.2f + %.2fi\n", sumreal, sumimag);
    printf("product: %.2f + %.2fi\n", productreal, productimag);
```

```
PS D:\c progrms coding> gcc typedefassi1.c
PS D:\c progrms coding> ./a
enter first real and imag num:3 4
enter second real and imag num:1 2
sum: 4.00 + 6.00i
product: -5.00 + 10.00i
```

## 2. Typedef for Structures

Problem Statement:

Define a custom data type Rectangle using typedef to represent a rectangle with width and height as float values. Write functions to:

Compute the area of a rectangle.

Compute the perimeter of a rectangle.

Input Example:

Enter width and height of the rectangle: 5 10

Output Example:

Area: 50.00Perimeter: 30.00

```
typedetassi2.c ×
                                   structdynmicpoiassi2.c
typedefassi2.c > 긂 rectagle
    #include<stdio.h>
    typedef struct Rectagle{
       float width;
       float height;
    }rectangle;
    int main(){
       rectangle rect;
        printf("enter the width:");
        scanf("%f",&rect.width);
        printf("enter heoght:");
        scanf("%f",&rect.height);
        float area=rect.width *rect.height;
        float perimeter=2*(rect.width +rect.height);
        printf("area:%.2f\n",area);
        printf("perimeter:%.2f\n",perimeter);
```

```
perimeter:30.00
PS D:\c progrms coding> gcc typedefassi2.c
PS D:\c progrms coding> ./a
enter the width:5
enter heoght:10
area:50.00
perimeter:30.00
PS D:\c progrms coding>
```

3. Simple Calculator Using Function Pointers

Problem Statement:

Write a C program to implement a simple calculator. Use function pointers to dynamically call functions for addition, subtraction, multiplication, and division based on user input.

Input Example:

Enter two numbers: 105

Choose operation (+, -, \*, /): \*

Output Example:

Result: 50

```
#include<stdio.h>
void add(int,int);
void sub(int,int);
void mul(int,int);
void div(int,int);
int main(){
   void(*fun_ptr[])(int,int)={add,sub,mul,div};
   int a,b,choice;
   printf("enter fisrt num:");
   scanf("%d",&a);
   printf("enter sec num:");
   scanf("%d",&b);
   printf("choose op:\n");
   printf("1. Add\n2. Subtract\n3. Multiply\n4. Divide\n");
   printf("enter choice:");
   scanf("%d",&choice);
   if(choice>=1 && choice<=4){
        (*fun_ptr[choice-1])(a,b);
    }else{
        printf("invalis\n");
void add(int a,int b){
   printf("sum:%d\n",a+b);
```

```
int main(){
    printf("enter choice:");
    scanf("%d",&choice);
    if(choice>=1 && choice<=4){
        (*fun_ptr[choice-1])(a,b);
    }else{
        printf("invalis\n");
void add(int a,int b){
    printf("sum:%d\n",a+b);
void sub(int a,int b){
    printf("sub:%d\n",a-b);
void mul(int a,int b){
    printf("mul:%d\n",a*b);
void div(int a,int b){
    if(b!=0){
        printf("div:%f\n",(float)a/b);
    }else{
        printf("invalid\n");
```

```
PS D:\c progrms coding> gcc arrfunpoias1.c
PS D:\c progrms coding> ./a
enter fisrt num:3
enter sec num:4
choose op:
1. Add
2. Subtract
3. Multiply
4. Divide
enter choice:1
sum:7
PS D:\c progrms coding> gcc arrfunpoias1.c
PS D:\c progrms coding> ./a
enter fisrt num:20
enter sec num:5
choose op:
1. Add
2. Subtract
3. Multiply
4. Divide
enter choice:4
div:4.000000
PS D:\c progrms coding>
```

# 4. Array Operations Using Function Pointers

**Problem Statement:** 

Write a C program that applies different operations to an array of integers using function pointers. Implement operations like finding the maximum, minimum, and sum of elements.

Input Example:

Enter size of array: 4

Enter elements: 10 20 30 40

Choose operation (1 for Max, 2 for Min, 3 for Sum): 3

Output Example:

Result: 100

```
rtunpoiass2.c 🗦 .
  #include<stdio.h>
  int find_max(int arr[], int size);
  int find_min(int arr[], int size);
  int find_sum(int arr[], int size);
  int main() {
      int choice, size;
      printf("Enter size: ");
      scanf("%d", &size);
      int arr[size];
      printf("Enter elements: ");
      for (int i = 0; i < size; i++) {
          scanf("%d", &arr[i]);
      printf("Choose operation (1 for Max, 2 for Min, 3 for Sum): ");
      scanf("%d", &choice);
      int (*fun_ptr[])(int[], int) = {find_max, find_min, find_sum};
      if (choice >= 1 && choice <= 3) {
          int result = (*fun_ptr[choice - 1])(arr, size);
          printf("Result: %d\n", result);
      } else {
          printf("Invalid choice\n");
```

```
int find_max(int arr[], int size) {
    int max = arr[0];
    for (int i = 1; i < size; i++) {
       if (arr[i] > max) {
           max = arr[i];
   return max;
int find_min(int arr[], int size) {
    int min = arr[0];
   for (int i = 1; i < size; i++) {
       if (arr[i] < min) {
           min = arr[i];
   return min;
int find_sum(int arr[], int size) {
   int sum = 0;
   for (int i = 0; i < size; i++) {
       sum += arr[i];
   return sum;
```

```
PS D:\c progrms coding> gcc arrfunpoiass2.c
PS D:\c progrms coding> ./a
Enter size: 3
Enter elements: 1 2 3
Choose operation (1 for Max, 2 for Min, 3 for Sum): 1
Result: 3
PS D:\c progrms coding> gcc arrfunpoiass2.c
PS D:\c progrms coding> ./a
Enter size: 3
Enter elements: 123
3 4
Choose operation (1 for Max, 2 for Min, 3 for Sum): 3
Result: 130
PS D:\c progrms coding>
```

5.

**Event System Using Function Pointers** 

**Problem Statement:** 

Write a C program to simulate a simple event system. Define three events: onStart, onProcess, and onEnd. Use function pointers to call appropriate event handlers dynamically based on user selection.

Input Example:

Choose event (1 for onStart, 2 for onProcess, 3 for onEnd): 1

Output Example:

Event: onStart

Starting the process...

```
#include<stdio.h>
void onstart();
void onprocess();
void onend();
int main(){
   void (*fun_ptr[3])()={onstart,onprocess,onend};
   int choice;
   printf("Choose an event:\n");
    printf("1. Start\n 2. Process\n 3. End\n");
    printf("Enter your choice: ");
   scanf("%d",&choice);
   if(choice>=1 && choice<=3){
        fun_ptr[choice-1]();
    }else{
        printf("invalid");
void onstart(){
   printf("Event: Start\n");
    printf("Starting the process...\n");
```

```
}else{
    printf("invalid");
}

void onstart(){
    printf("Event: Start\n");
    printf("Starting the process...\n");
}

void onprocess(){
    printf("Event: onprocess\n");
    printf("Processing the data...\n");
}

void onend(){
    printf("Event: end\n");
    printf("Ending the process...\n");
}
```

```
PS D:\c progrms coding> gcc arrfunpoias3.c
PS D:\c progrms coding> ./a
Choose an event:
1. Start
2. Process
3. End
Enter your choice: 1
Event: Start
Starting the process...
PS D:\c progrms coding>
```

6.Write a C program to perform matrix operations using function pointers. Implement functions to add, subtract, and multiply matrices. Pass the function pointer to a wrapper function to perform the desired operation.

Input Example:

Enter matrix size (rows and columns): 2 2

Enter first matrix:

12

3 4

Enter second matrix:

56

Choose operation (1 for Add, 2 for Subtract, 3 for Multiply): 1

Output Example:

Result:

68

10 12

```
winclude cstdio.h)

void add_matrices(int rows, int cols, int matrix[rows][cols], int matrix2[rows][cols], int result[rows][cols]);

void sub_matrices(int rows, int cols, int matrix1[rows][cols], int matrix2[rows][cols], int result[rows][cols]);

void mul_matrices(int rows), int cols], int matrix1[rows][cols], int rows2, int cols2, int matrix2[rows2][cols2], int result[rows1][cols2];

int main() {
    int rows1, cols1, rows2, cols2, choice;

    printf("Enter the number of rows for the first matrix: ");
    scanf("Mat, Arous1);

    printf("Enter the number of columns for the first matrix: ");
    scanf("Mat, Arous1);

    int matrix1[rows1][cols1];

    printf("Enter the elements of the first matrix:\n");
    for (int i = 0; i < rows1; i++) {
        for (int j = 0; j < cols1; j++) {
            scanf("Mat, Matrix1[i][j]);
        }
        printf("Enter the number of rows for the second matrix ");

        printf("Enter the number of rows for the second matrix ");
}</pre>
```

```
int matrix2[rows2][cols2];

printf("Enter the elements of the second matrix:\n");

for (int i = 0; i < rows2; i++) {
    for (int i = 0; j < cols2; j++) {
        scanf("Xd", &matrix2[i][j]);
    }

if (cols1 != rows2) {
    printf("Matrix multiplication not possible, Number of columns in the first matrix must equal the number of rows in the second material matrix multiplication for subtract, 3 for Multiply): ");

printf("Choose operation (i for Add, 2 for Subtract, 3 for Multiply): ");

scanf("Xd", &choice);

if (choice == 1 || choice == 2) {
    if (rows1 != rows2 || cols1 != cols2) {
        printf("Notrix addition or subtraction requires matrices to have the same dimensions \n");
    }
}</pre>
```

```
if (choice == 1 || choice == 2) {
    if (rows1 != rows2 || cols1 != cols2) {
        printf("Matrix addition or subtraction requires matrices to have the same dimensions.\n");
        return 8;
}

switch (choice) {
    case 1:
        add_matrices(rows1, cols1, matrix1, matrix2, result);
        break;
    case 2:
        sub_matrices(rows1, cols1, matrix1, matrix2, result);
        break;
    case 3:
        mul_matrices(rows1, cols1, matrix1, rows2, cols2, matrix2, result);
        break;
    default:
    printf("Invalid choice.\n");
        return 0;
```

```
for (int i = 0; i < rows1; i++) {
    for (int j = 0; j < (choice == 3 ? cols2 : cols1); j++) {
        printf("%d", result[i][j]);
    }
    printf("\n");
}

return 0;
}

void add_matrices(int rows, int cols, int matrix1[rows][cols], int matrix2[rows][cols], int result[rows][cols]) {
    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
            result[i][j] = matrix1[i][j] + matrix2[i][j];
    }
}

void sub_matrices(int rows, int cols, int matrix1[rows][cols], int matrix2[rows][cols], int result[rows][cols]) {
    for (int j = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
            result[i][j] = matrix1[i][j] - matrix2[i][j];
    }
}</pre>
```

```
PS D:\c progrms coding> gcc arfunpoi4.c
PS D:\c progrms coding> ./a
Enter the number of rows: 2 2
Enter the number of columns: Enter elements of the first matrix:
2 3
4 5
Enter elements of the second matrix:
5 6
Choose operation (1 for Add, 2 for Subtract, 3 for Multiply): 1
Result:
4 7
236099722 531
PS D:\c progrms coding> gcc arfunpoi4.c
PS D:\c progrms coding> ./a
Enter the number of rows for the first matrix: 2
Enter the number of columns for the first matrix: 2
Enter the elements of the first matrix:
1 2
3 4
Enter the number of rows for the second matrix: 2
Enter the number of columns for the second matrix: 2
Enter the elements of the second matrix:
5 6
7 8
Choose operation (1 for Add, 2 for Subtract, 3 for Multiply): 1
Result:
6 8
10 12
PS D:\c progrms coding>
```

### 7. Problem Statement: Vehicle Management System

Write a C program to manage information about various vehicles. The program should demonstrate the following:

Structures: Use structures to store common attributes of a vehicle, such as vehicle type, manufacturer name, and model year.

Unions: Use a union to represent type-specific attributes, such as:

Car: Number of doors and seating capacity.

Bike: Engine capacity and type (e.g., sports, cruiser).

Truck: Load capacity and number of axles.

Typedefs: Define meaningful aliases for complex data types using typedef (e.g., for the structure and union types).

Bitfields: Use bitfields to store flags for vehicle features like airbags, ABS, and sunroof.

Function Pointers: Use a function pointer to dynamically select a function to display specific information about a vehicle based on its type.

An integer for the model year. A union VehicleDetails for type-specific attributes. A bitfield to store vehicle features (e.g., airbags, ABS, sunroof). A function pointer to display type-specific details. Write functions to: Input vehicle data, including type-specific details and features. Display all the details of a vehicle, including the type-specific attributes. Set the function pointer based on the vehicle type. Provide a menu-driven interface to: Add a vehicle. Display vehicle details. Exit the program. Example Input/Output Input: 1. Add Vehicle 2. Display Vehicle Details 3. Exit Enter your choice: 1 Enter vehicle type (1: Car, 2: Bike, 3: Truck): 1 Enter manufacturer name: Toyota

Enter features (Airbags[1/0], ABS[1/0], Sunroof[1/0]): 1 1 0

Enter model year: 2021

Enter number of doors: 4

Enter seating capacity: 5

Requirements

Create a structure Vehicle that includes:

A char array for the manufacturer name.

- 1. Add Vehicle
- 2. Display Vehicle Details
- 3. Exit

Enter your choice: 2

Output:

Manufacturer: Toyota

Model Year: 2021

Type: Car

Number of Doors: 4

**Seating Capacity: 5** 

Features: Airbags: Yes, ABS: Yes, Sunroof: No

```
#include <stdio.h>
#include <string.h>
typedef union {
       int doors;
        int seat_capacity;
    } car;
    struct {
        int engine_capacity;
        char type[10];
    } bike;
    struct {
        int load_capacity;
       int axles;
    } truck;
} vd;
typedef struct {
   unsigned airbags : 1;
   unsigned ABS : 1;
    unsigned sunroof: 1;
 ft;
```

```
unsigned ABS : 1;
    unsigned sunroof : 1;
) ft;
typedef struct {
   char manufacturer[50];
   int model_year;
   char type 10;
   vd details;
   ft features;
} veh;
void input_vehicle(veh *v);
void display_vehicle(veh v);
int main() {
   veh vehicles[10];
    int count = 0, choice;
    while (1) {
        printf("\n--- Vehicle Management System ---\n");
        printf("1. Add Vehicle\n2. Display Vehicle Details\n3. Exit\n");
        printf("Enter your choice: ");
        scanf("%d", &choice);
```

```
veh vehicles[10];
int count = 0, choice;
while (1) {
    printf("\n--- Vehicle Management System ---\n");
    printf("1. Add Vehicle\n2. Display Vehicle Details\n3. Exit\n");
    printf("Enter your choice: ");
    scanf("%d", &choice);
    if (choice == 1) {
        if (count < 10) {
            input_vehicle(&vehicles[count]);
           count++;
       ) else {
           printf("Vehicle list is full!\n");
    } else if (choice == 2) {
        for (int i = 0; i < count; i++) {
           display_vehicle(vehicles[i]);
    } else if (choice == 3) {
       break;
    } else {
        printf("Invalid choice. Please try again. \n");
```

```
return 0:
void input vehicle(veh *v) {
    printf("Enter manufacturer: ");
    scanf("%s", v->manufacturer);
    printf("Enter model year: ");
    scanf("%d", &v->model year);
    printf("Enter vehicle type (car/bike/truck): ");
    scanf("%s", v->type);
    if (strcmp(v->type, "car") == 0) {
        printf("Enter number of doors: ");
        scanf("%d", &v->details.car.doors);
        printf("Enter seating capacity: ");
        scanf("%d", &v->details.car.seat_capacity);
    } else if (strcmp(v->type, "bike") == 0) {
        printf("Enter engine capacity (in cc): ");
        scanf("%d", &v->details.bike.engine_capacity);
        printf("Enter type (sports/cruiser): ");
        scanf("%s", v->details.bike.type);
```

```
void input_vehicle(veh *v) {
    if (strcmp(v->type, "car") == 0) {
    } else if (strcmp(v->type, "bike") == 0) {
       printf("Enter engine capacity (in cc): ");
        scanf("%d", &v->details.bike.engine_capacity);
       printf("Enter type (sports/cruiser): ");
        scanf("%s", v->details.bike.type);
    } else if (strcmp(v->type, "truck") == 0) {
       printf("Enter load capacity (in tons): ");
       scanf("%d", &v->details.truck.load_capacity);
       printf("Enter number of axles: ");
       scanf("%d", &v->details.truck.axles);
   unsigned temp_airbags, temp_ABS, temp_sunroof;
   printf("Does the vehicle have airbags? (1 for Yes, 0 for No): ");
   scanf("%u", &temp_airbags);
   v->features.airbags = temp_airbags;
   printf("Does the vehicle have ABS? (1 for Yes, 0 for No): ");
    scanf("%u", &temp_ABS);
   v->features.ABS = temp_ABS;
    printf("Does the vehicle have a sunroof? (1 for Yes, 0 for No): ");
```

```
void input_vehicle(veh *v) {
   printf("Does the vehicle have ABS? (1 for Yes, 0 for No): ");
   scanf("%u", &temp_ABS);
   v->features.ABS = temp ABS;
   printf("Does the vehicle have a sunroof? (1 for Yes, 0 for No): ");
   scanf("%u", &temp_sunroof);
   v->features.sunroof = temp sunroof;
void display_vehicle(veh v) {
   printf("\n--- Vehicle Details ---\n");
   printf("Manufacturer: %s\n", v.manufacturer);
   printf("Model Year: %d\n", v.model_year);
   printf("Type: %s\n", v.type);
   if (strcmp(v.type, "car") == 0) {
       printf("Number of doors: %d\n", v.details.car.doors);
       printf("Seating capacity: %d\n", v.details.car.seat_capacity);
    } else if (strcmp(v.type, "bike") == 0) {
       printf("Engine capacity: %d cc\n", v.details.bike.engine_capacity);
       printf("Type: %s\n", v.details.bike.type);
    } else if (strcmp(v.type, "truck") == 0) {
       printf("Load capacity: %d tons\n", v.details.truck.load_capacity);
       printf("Number of axles: %d\n", v.details.truck
```

```
printf("Number of doors: %d\n", v.details.car.doors);
    printf("Seating capacity: %d\n", v.details.car.seat_capacity);
} else if (strcmp(v.type, "bike") == 0) {
    printf("Engine capacity: %d cc\n", v.details.bike.engine_capacity);
    printf("Type: %s\n", v.details.bike.type);
} else if (strcmp(v.type, "truck") == 0) {
    printf("Load capacity: %d tons\n", v.details.truck.load_capacity);
    printf("Number of axles: %d\n", v.details.truck.axles);
}

printf("Features: Airbags: %u, ABS: %u, Sunroof: %u\n",
    v.features.airbags, v.features.ABS, v.features.sunroof);
}
```

```
--- Vehicle Management System ---
1. Add Vehicle
2. Display Vehicle Details
3. Exit
Enter your choice: 1
Enter manufacturer: toyota
Enter model year: 2021
Enter vehicle type (car/bike/truck): car
Enter number of doors: 4
Enter seating capacity: 5
Does the vehicle have airbags? (1 for Yes, 0 for No): 1
Does the vehicle have ABS? (1 for Yes, 0 for No): 1
Does the vehicle have a sunroof? (1 for Yes, 0 for No): 1
--- Vehicle Management System ---
1. Add Vehicle
2. Display Vehicle Details
3. Exit
Enter your choice: 2
--- Vehicle Details ---
Manufacturer: toyota
Model Year: 2021
Type: car
Number of doors: 4
Seating capacity: 5
Features: Airbags: 1, ABS: 1, Sunroof: 1
```

8. WAP to find out the factorial of a number using recursion

```
C recursion1.c > ♥ main()
        #include<stdio.h>
        int fact(int n);
        int main(){
            int num;
            printf("enter num:");
            scanf("%d",&num);
            printf("factorial %d is:%d\n",num,fact(num));
  11
  13
        int fact(int n){
            if(n==1){
                return 1;
  17
            return n*fact(n-1);
       -}
 PROBLEMS
            OUTPUT
                     TERMINAL
                               PORTS
> V TERMINAL
    recursion1.c:18:1: error: expected declaration or statement at end of input
    PS D:\c progrms coding> gcc recursion1.c
    PS D:\c progrms coding> ./a
    enter num:4
    factorial 4 is:24
```

9. WAP to find the sum of digits of a number using recursion.

```
#include<stdio.h>
    int sum(int n);
    int main(){
        int num;
         printf("enter num:");
         scanf("%d",&num);
         printf("sum of digits:%d\n",sum(num));
1
    int sum(int n){
4
         if(n==0){
15
             return 0;
16
         }else{
.7
             return n%10+sum(n/10);
OBLEMS
        OUTPUT
                 TERMINAL
                            PORTS
 TERMINAL
 PS D:\c progrms coding> ./a
 enter num:3
 sum of digits:3
 PS D:\c progrms coding> gcc recursionass2.c
 PS D:\c progrms coding> ./a
 enter num:1234
 sum of digits:10
 PS D:\c progrms coding>
```

10. With Recursion Findout the maximum number in a given array

```
#include<stdio.h>
int max(int arr[],int n);
int main(){
    int n;
    printf("enetr size:");
    scanf("%d",&n);
    int arr[n];
    printf("enter num:");
    for(int i=0;i<n;i++){</pre>
        scanf("%d",&arr[i]);
    int maxi=max(arr,n);
    printf("max :%d",maxi);
int max(int arr[],int n){
    if(n==1){
        return arr[0];
    int max_res=max(arr+1,n-1);
    if(arr[0]>max_res){
        return arr[0];
    }else{
        return max_res;
```

```
PS D:\c progrms coding> gcc recurssionass3.c
PS D:\c progrms coding> ./a
enetr size:5
enter num:3
4
1
7
2
max :7
PS D:\c progrms coding>
```

11. With recurion calculate the power of a given number

```
int power(int base,int expo);
int main(){
   int base,expo;
   printf("enter base:");
   scanf("%d",&base);
   printf("entr expo:");
   scanf("%d",&expo);

   printf("%d raised to the power of %d is: %d\n", base, expo, power(base, expo));

int power(int base,int expo){
   if(expo==0){
      return 1;
    }
   return base*power(base,expo-1);
}
```

```
PS D:\c progrms coding> gcc recurssionass4.c
PS D:\c progrms coding> ./a
enter base:2
entr expo:3
2 raised to the power of 3 is: 8
PS D:\c progrms coding>
```

12. With Recursion calculate the length of a string.

```
c recurass5.c > 🕅 length(char [])
       #include<stdio.h>
       int length(char str[]);
       int main(){
            char str[100];
            printf("enter str:");
            scanf("%s",str);
            printf("length:%d\n",length(str));
  11
  12
        int length(char str[]){
            if(str[0]=='\0'){
                return 0;
  16
           return 1+length(str+1);
  17
  18
 PROBLEMS
           OUTPUT
                    TERMINAL
                               PORTS
  ∨ TERMINAL
2
    PS D:\c progrms coding> gcc recurass5.c
    PS D:\c progrms coding> ./a
    enter str:ansu
    length:4
    PS D:\c progrms coding>
```

13. With recursion revrsal of a string

```
#include<stdio.h>
   void rev(char str[],int index);
  int main(){
       char str[100];
       printf("enter str:");
       scanf("%s",str);
       printf("Reversed string: ");
       rev(str, 0);
       printf("\n");
   void rev(char str[],int index){
       if (str[index] == '\0') {
           return;
       rev(str, index + 1);
       printf("%c", str[index]);
SLEMS
      OUTPUT
               TERMINAL
                          PORTS
FERMINAL
kewin.c:67:(.text.startup+0xc5): undefined reference to `WinMain'
collect2.exe: error: ld returned 1 exit status
PS D:\c progrms coding> gcc recurass6.c
PS D:\c progrms coding> ./a
enter str:ansu
Reversed string: usna
PS D:\c progrms coding>
```