

1. WAP to take a value from the user in main function and print that value in another Function.

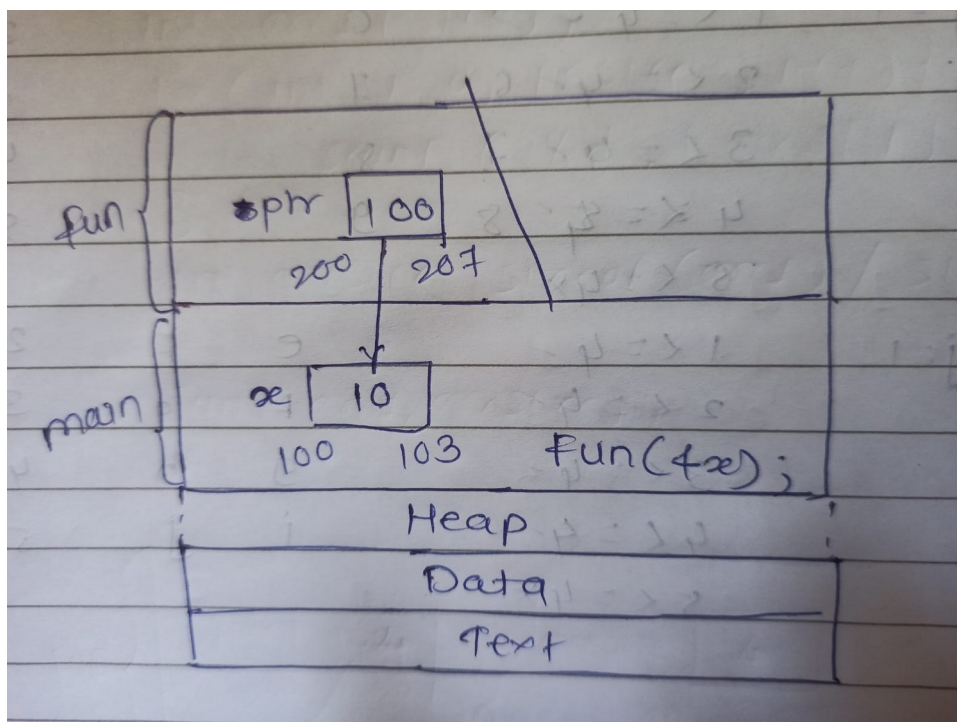
```
/*
  Program 1 :WAP to take a value from user in main function
              and print the value in another function
*/

#include<stdio.h>

void fun(int *ptr){
    printf("Value Print in Function : %d\n",*ptr);
}

void main(){
    int x;
    printf("Enter the value ::");
    scanf("%d",&x);
    fun(&x);
}
```

```
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ vim Practise1.c
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ cc Practise1.c
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ ./a.out
Enter the value ::13
Value Print in Function : 13
dhiraj@dhiraj-HP:~/Cprogramming/Functions$
```



2. WAP to take one value from the user in another Function and print that value in Main Function.

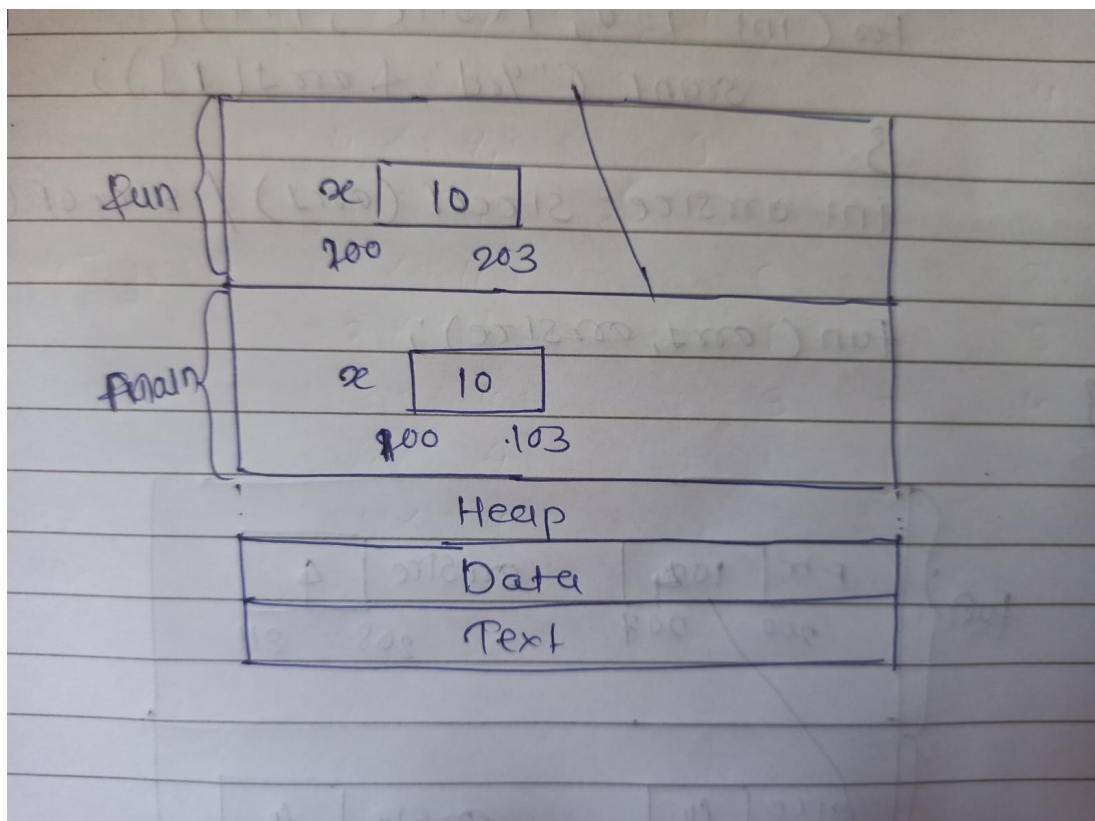
```
/*
Program 2:WAP to take one value from the user in another
function and print that value in Main Function.
*/

#include<stdio.h>

int fun(){
    int x;
    printf("Enter the value of x :");
    scanf("%d",&x);
    return x;
}

void main(){
    int x = fun();
    printf("Value print in Main : %d",x);
}
```

```
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ vim Practise2.c
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ cc Practise2.c
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ ./a.out
Enter the value of x :10
Value print in Main : 10
dhiraj@dhiraj-HP:~/Cprogramming/Functions$
```



3. WAP to take an array from the user in the main function and print that array in another Function. take the array size from the user.

```
/*
Program 3:WAP to take an array from the user in the main
function and print that array in another
Function take the array size from the user
*/
#include<stdio.h>

void fun(int *ptr,int arrsize) {
    printf("Print in Function :\n");
    for(int i = 0;i < arrsize;i++){
        printf("%d \n",*(ptr + i));
    }
}

void main() {
    int size;
    printf("Enter the size of array ::");
    scanf("%d",&size);
    int arr1[size];
    for(int i = 0;i < size;i++){
        scanf("%d",&arr1[i]);
    }

    int arrsize = sizeof(arr1) / sizeof(int);
    fun(arr1,arrsize);
}
```

```
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ vim Practise3.c
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ cc Practise3.c
dhiraj@dhiraj-HP:~/Cprogramming/Functions$ ./a.out
Enter the size of array ::4
1
2
3
4
Print in Function :
1
2
3
4
dhiraj@dhiraj-HP:~/Cprogramming/Functions$
```

