(-23 > Formatted Input Functions in C Scanf () -> defined in station. * main!) int a=5, b=4; Static Values. 3 * Stanf () is used to enter values at the run time.

89:0 mais () int a, b, sum; Chron (); scary ["./d".d", 89,86); sum = a + b;
y print (" 1.d", sum); Scary ("control string", Large, Long 2>,... Long n); I -> address of operator. Randomly stores values of variables by ba the the Main Memory Stary() 1000 main () Sum.

ष्ठ (3) main() int a, b, sum; clusur (); Scanf (" 1.4d 1.d", &a, &b);

sun = a+b; duidth of vourable value 3. pount ["/d" sum); 1234 (5) -> automatically assigned for b. assigned for a Eg (3): main!) inta; float b; char C; duson(); Stanf (" /d //-) -/- C", Da &b &c); points (" 1, 8", b); (" 1 } 38b) Input Value is gues as AP [47.63e-1] ADDOS output 1. 1 Deb in float after precession

inta,b,x; x=Sanf ("/d /d /d &a, &b).

rewritt ("/d", x); mais () int a,b, sum, x; 0/9=> Chrones, = scanf ("/d /d", 8a, 6b). sum = a+b; pount (" sum is / d", sum);
pount (" / d", X); Zelana (O/P ->).

CODE 1:

```
#include <stdio.h>
 1
 2
    #include <stdlib.h>
 3  /* FORMATTED INPUT FUNCTION */
     int main()
 4
 5 □{
 6
         int a,b,sum;
         //printf("Enter two number:\n");
 7
 8
         scanf("%d %d", &a, &b);
 9
         sum=a+b;
         printf("%d\n", sum);
10
11
12
13
```

■ "D:\COMPUTER NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\IN .

```
5
6
11
Process returned 0 (0x0) execution time : 3.910 s
Press any key to continue.
```

```
#include <stdio.h>
 1
 2
     #include <stdlib.h>
 3  /* 1 FORMATTED INPUT FUNCTION */
     int main()
 4
 5
  □ {
 6
         int a, b, sum;
 7
         printf("Enter two number:\n");
8
         scanf("%d %d", &a, &b);
9
         sum=a+b;
         printf("%d\n", sum);
10
11
12
13
```

■ "D:\COMPUTER NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Led

```
Enter two number:
5
6
11
Process returned 0 (0x0) execution time : 2.921 s
Press any key to continue.
```

CODE 2:

```
1
     #include <stdio.h>
     #include <stdlib.h>
 3  /* 2 FORMATTED INPUT FUNCTION */
     int main()
 4
 5
   □ {
 6
         int a,b,sum;
 7
         printf ("Enter the two number:\n");
 8
         scanf("%2d %d", &a, &b);
         sum=a+b;
 9
         printf("%d\n", sum);
10
11
12
```

■ "D:\COMPUTER NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lec

```
Enter the two number:
222222
2244
Process returned 0 (0x0) execution time : 20.422 s
Press any key to continue.
```

22|2222

%2d =22 (accepts only first 2 integers)

%d = 2222(remaining are assigned, for this no limit)

```
#include <stdio.h>
 1
 2
      #include <stdlib.h>
 3 /* 2 FORMATTED INPUT FUNCTION */
 4
      int main()
 5
    □ {
 6
          int a,b,sum;
 7
          printf ("Enter the two number:\n");
          //scanf("%2d %d", &a, &b);
 8
 9
          scanf("%2d %2d", &a, &b);
10
          sum=a+b;
          printf("%d\n", sum);
11
12
13
 "D:\COMPUTER NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures'
Enter the two number:
223344
55
Process returned 0 (0x0) execution time : 25.051 s
Press any key to continue.
22|33|44
%2d =22 (accepts only first 2 integers)
%2d = 33(accepts only next 2 integers)
```

CODE 3:

```
1 #include <stdio.h>
2 #include <stdlib.h>
 3  /* 3 FORMATTED INPUT FUNCTION */
    int main()
6
        int a; float b; char c;
7
        printf("Enter the integer, Float & Char:\n");
8
        scanf("%d %f %c", &a, &b, &c);
9
        printf("%d\n",a);
10
        printf("%f\n",b);
11
        printf("%d\n",c);
12
13
14
```

■ "D:\COMPUTER NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lect

```
Enter the integer, Float & Char:

47.63e-1

c

12

4.763000

99

Process returned 0 (0x0) execution time : 48.021 s

Press any key to continue.
```

e-1=1/10

47.63e-1=4.763

%f=4.763000(%f float will give 6 digits precession after decimal point)

CODE 4:

```
1
    #include <stdio.h>
2
    #include <stdlib.h>
3
   /* 4 FORMATTED INPUT FUNCTION */
   // PRINTING NUMBER OF QUTPUTS WE GET USING scanf
4
5
    int main()
                             IN
6
   □ {
7
    int a,b,sum,x;
    printf("Enter the two digits:\n");
8
    x=scanf("%d %d", &a, &b);
9
10
    sum=a+b;
    printf("%d\n", sum);
11
    printf("%d\n",x);// we get two inputs a and b
12
13
14
    }
```

■ "D:\COMPUTER NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lecture

```
Enter the two digits:
5
5
10
2
Process returned 0 (0x0) execution time : 7.859 s
Press any key to continue.
```