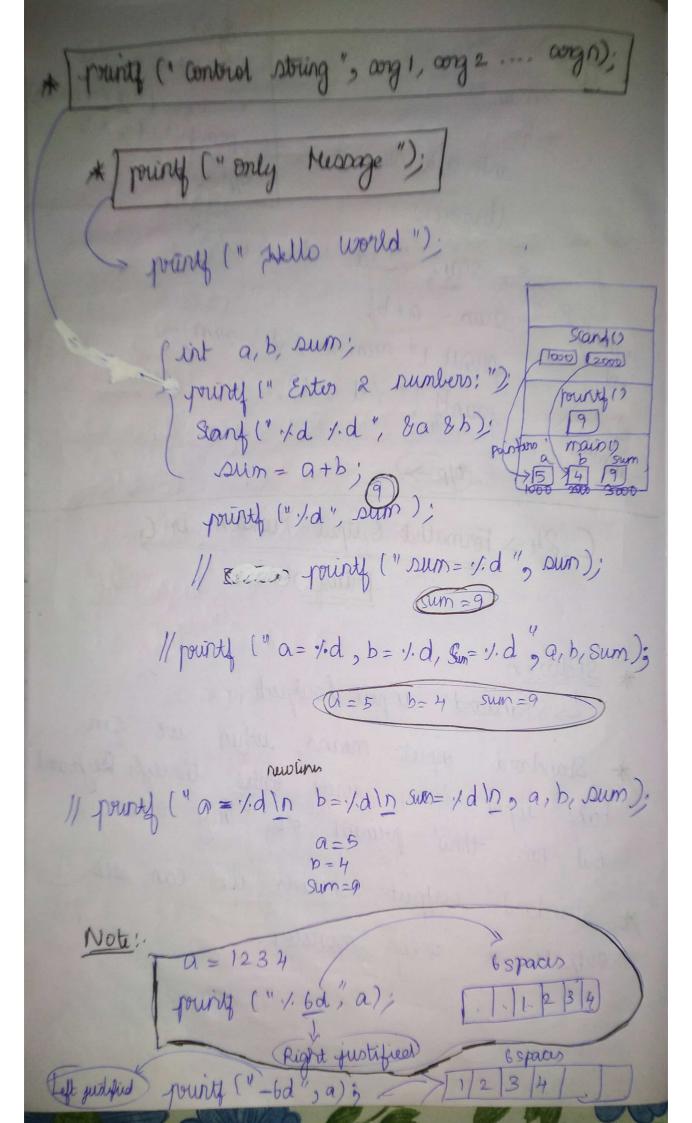
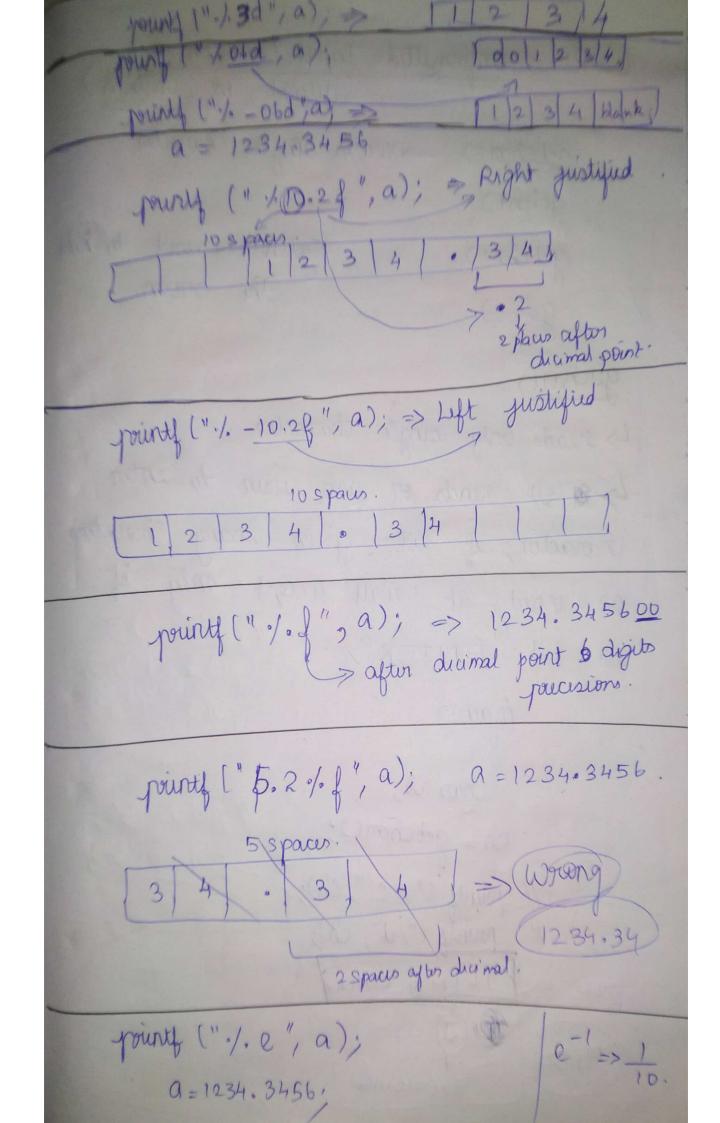
C_24 > Formatted Output Function in C point() * Stolio.h L> Standard input fourput.

* Standard input means, when we can
take input form user only though beginned
but not thow printer or any other * standand output means, we can see output in only monitor.





CODE 1:

```
#include <stdio.h>
#include <stdlib.h>

/* 1 FORMATTED OUTPUT FUNCTIONS */
int main()

{
   int a=1234;
   printf("%6d",a);

/* 6 spaces of memory are assigned & printed right justified by leaving first two spaces empty since we give only 4 digits */
}
```

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```
1234
Process returned 0 (0x0) execution time : 0.031 s
Press any key to continue.
```

CODE 2:

```
#include <stdio.h>
#include <stdib.h>

/* 2 FORMATTED OUTPUT FUNCTIONS */
int main()

f(
    int a=1234;
    printf("%-6d",a);

/* 6 spaces of memory are assigned & printed left justified by leaving last two spaces empty since we give only 4 digits */

10
}
```

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```
1234
Process returned 0 (0x0) execution time : 0.047 s
Press any key to continue.
```

CODE 3:

```
1 #include <stdio.h>
    #include <stdlib.h>
3 /* 3 FORMATTED OUTPUT FUNCTIONS */
    int main()
5 □{
6
        int a=1234;
7
        printf("%3d",a);

ho /* Even though we give 4 digits and 3 spaces of memory are
9
    assigned there is no limitations for formatted output
     functions .
.0
    It will print the output as it...
.1
.2

    It will only align or justify the output*/

.3
. 4
```

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```
1234
Process returned 0 (0x0) execution time : 0.016 s
Press any key to continue.
```

CODE 4:

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 /* 4 FORMATTED OUTPUT FUNCTIONS */
4 int main()
6
    int a=1234;
7
      printf("%06d",a);
8 | /* 6 spaces of memory are assigned & printed right justified
    by leaving first two spaces filled with 0 since we give
10 |- only 4 digits */
    //printf("%-06d",a);
11
12 /*6 spaces of memory are assigned & printed left justified
by leaving last two spaces empty but not with 0....
14
15
```

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```
001234
Process returned 0 (0x0) execution time : 0.047 s
Press any key to continue.
```

CODE 5:

```
1 #include <stdio.h>
     #include <stdlib.h>
 3 /* 5 FORMATTED OUTPUT FUNCTIONS */
     int main()
 5 ⊟{
 6
         float a=1234.3456;
         printf("%10.2f",a);
   /* 10 spaces of memory are alloted.
 8
 9
         In floating, point is also included in memory.
         with With point 9 values are there but
10
         floating precession is given as .2f
11
12
         So after decimal point 2 digits are precessed
         So now 1234.34, with decimal point 7 values are there
13
         So 7 values are printed within 10 memory spaces
14
         Justified from right, 3 spaces are blank*/
15
16
17
```

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```
1234.35
Process returned 0 (0x0) execution time : 0.047 s
Press any key to continue.
```

CODE 6:

```
#include <stdio.h>
     #include <stdlib.h>
     /* 6 FORMATTED OUTPUT FUNCTIONS */
 4
    int main()
 5
   □ {
         float a=1234.3456;
 6
 7
         printf("%-10.2f",a);
 8
    🛱 /* 10 spaces of memory are alloted.
 9
         In floating, point is also included in memory.
         with With point 9 values are there but
10
         floating precession is given as .2f
11
         So after decimal point 2 digits are precessed
12
13
         So now 1234.34, with decimal point 7 values are there
         So 7 values are printed within 10 memory spaces
14
       %-10.2f Justified from left, last 3 spaces are blank*/
15
16
17
```

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```
1234.35
Process returned 0 (0x0) execution time : 0.047 s
Press any key to continue.
```

CODE 7:

```
1 #include <stdio.h>
2
    #include <stdlib.h>
   /* 7 FORMATTED OUTPUT FUNCTIONS */
 4
    int main()
 5
   □ {
 6
        float a=1234.3456;
7
        printf("%010.2f",a);
8
   □ /* 10 spaces of memory are alloted.
9
        In floating, point is also included in memory.
        with With point 9 values are there but
10
11
        floating precession is given as .2f
        So after decimal point 2 digits are precessed
12
        So now 1234.34, with decimal point 7 values are there
13
        So 7 values are printed within 10 memory spaces
14
15
       %10.2f Justified from right, first 3 spaces are Zeros*/
16 }
```

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```
0001234.35
Process returned 0 (0x0) execution time : 0.047 s
Press any key to continue.
```

CODE 8:

```
1 #include <stdio.h>
     #include <stdlib.h>
 3    /* 8 FORMATTED OUTPUT FUNCTIONS */
   int main()
 5
   □ {
        float a=1234.3456;
 6
 7
        printf("%-010.2f",a);
   /* 10 spaces of memory are alloted.
 8
 9
        In floating, point is also included in memory.
10
        with With point 9 values are there but
11
        floating precession is given as .2f
12
        So after decimal point 2 digits are precessed
        So now 1234.34, with decimal point 7 values are there
13
        So 7 values are printed within 10 memory spaces
14
15
      %-10.2f Justified from LEFT,
      LAST 3 spaces are NOT Zeros because .2f is precessed*/
16
17
```

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```
1234.35
Process returned 0 (0x0) execution time : 0.047 s
Press any key to continue.
```

CODE 9:

```
#include <stdio.h>
#include <stdlib.h>

/* 9 FORMATTED OUTPUT FUNCTIONS */

int main()

float a=1234.345;
  printf("%f",a);

/* Here float will precessed with 6 digits after decimal point */

point */

point */

point */
```

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```
1234.344971
Process returned 0 (0x0) execution time : 0.047 s
Press any key to continue.
-
```

CODE 10:

```
1 #include <stdio.h>
    #include <stdlib.h>
3 /* 10 FORMATTED OUTPUT FUNCTIONS */
   int main()
6
       float a=1234.3456;
7
       printf("%5.2f",a);
8 /* Even though we 5 memory spaces are alloted, it will
9
     print all the values but it will only justify since
10
      it is formatted output not formatted input function */
11
12 }
13
```

```
"D:\COMPUTER NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\IN & 1234.35
Process returned 0 (0x0) execution time : 0.031 s
Press any key to continue.
```

CODE 11:

```
#include <stdio.h>
1
2
   #include <stdlib.h>
3
   /* 11 FORMATTED OUTPUT FUNCTIONS */
4
   int main()
5
  □ {
6
        float a=1234.3456;
7
       printf("%e",a);
8
9
```

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

```
1.234346e+003
Process returned 0 (0x0) execution time : 0.047 s
Press any key to continue.
```