

C main.c M X

C main.c > main()

```
1  #include <stdio.h>
2
3  int main() {
4      int a = 10;
5      float b = 25.75;
6      char c = 'A';
7
8      int *ptrInt = &a;
9      float *ptrFloat = &b;
10     char *ptrChar = &c;
11
12     printf("Initial Addresses:\n");
13     printf("ptrInt    = %p\n", ptrInt);
14     printf("ptrFloat  = %p\n", ptrFloat);
15     printf("ptrChar   = %p\n\n", ptrChar);
16
17
18     ptrInt++;
19     ptrFloat++;
20     ptrChar++;
21
22     printf("After Incrementing (+1):\n");
23     printf("ptrInt    = %p\n", ptrInt);
24     printf("ptrFloat  = %p\n", ptrFloat);
25     printf("ptrChar   = %p\n\n", ptrChar);
26
27
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
● abhaygupta@192 main.c % gcc main.c
● abhaygupta@192 main.c % ./a.out
Initial Addresses:
ptrInt    = 0x16db72e78
ptrFloat  = 0x16db72e74
ptrChar   = 0x16db72e73

After Incrementing (+1):
ptrInt    = 0x16db72e7c
ptrFloat  = 0x16db72e78
ptrChar   = 0x16db72e74

After Decrementing (-1):
```

Ln 17, Col 5



Experiment - 8.2

#include &lt;stdio.h&gt;

int main () {

```
int a = 10, *p1 = &a;  
float b = 20.5, *p2 = &b;  
char c = 'A', *p3 = &c;
```

```
printf("Before: \n%d %p %f %p %c %p\n", a, p1, b,  
p2, c, p3);
```

~~printf~~

```
p1++; p2++; p3++;
```

```
printf("\n After increment: \n%p | %p | %p\n", p1, p2, p3);
```

```
p1--; p2--; p3--;
```

```
printf("\n After de decrement: \n%p | %p | %p\n", p1, p2, p3);
```

```
return 0;
```

}