

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    ptrInt++;
18    ptrFloat++;
19    ptrChar++;
20
21    printf("After Incrementing (+1):\n");
22    printf("ptrInt    = %p\n", ptrInt);
23    printf("ptrFloat  = %p\n", ptrFloat);
24    printf("ptrChar   = %p\n\n", ptrChar);
25
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



Expt. No.

Date

## Experiment - 8.2

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

```
int main () {
```

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

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

Plaintiff

P1++; P2++; P3++;

```
p1++; p2++; p3++;  
printf("In After increment: %d %d %d\n", p1, p2, p3);
```

P1--; P2--; P3--;

```
printf ("In After decrement: | %d, %d | %d, %d | %d, %d |", p1, p2, p3, p1, p2, p3);
```

return obj

3

Teacher's Signature