

QUIZ 7

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Question 1

Source Code:

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int num=5;
6      int *myPtr=&num;
7      printf("num is stored at: %d\n",myPtr);
8      printf("myPtr is stored at: %d\n",&myPtr);
9      printf("num holds the value: %d\n",num);
10     printf("myPtr holds the value: %d\n",myPtr);
11     printf("myPtr points to this value: %d",num);
12
13     return 0;
14 }
15
```

Output:

```
num is stored at: 1799288680
myPtr is stored at: 1799288676
num holds the value: 5
myPtr holds the value: 1799288680
myPtr points to this value: 5
```

Question 2

Source Code:

```
1  #include<stdio.h>
2  int main ()
3  {
4      int a = 15;
5      int *ptr_a = &a;
6      a /= 3;
7
8
9      ++(*ptr_a);
10     a = *ptr_a;
11
12
13     if (*ptr_a == a)
14     {
15         printf ("Copy_a = %d\n", *ptr_a);
16         printf ("a = %d\n", a);
17         printf ("Therefore, copy_a = a = %d\n", *ptr_a);
18     }
19
20     return 0;
21 }
```

Output:

```
Copy_a = 6  
a = 6  
Therefore, copy_a = a = 6
```