

C-93 ⇒ Solved problem on Functions in C

GATE Questions

```

int incr(int i)
{
    static int count = 0;
    count = count + i;
    return count;
}

```

```

main()
{

```

```

    int i, j;

```

```

    for(i=0; i<=4; i++)

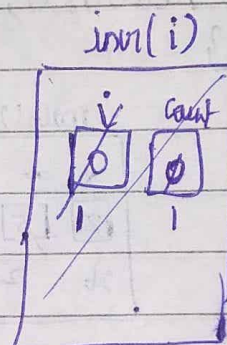
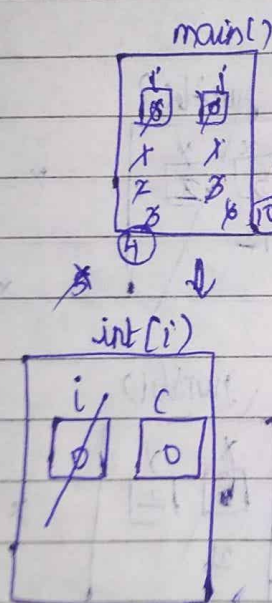
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```

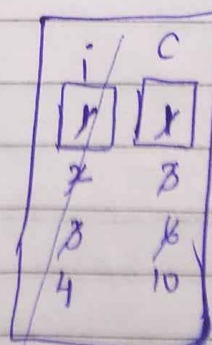
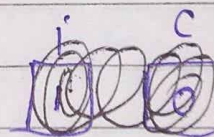
        j = incr(i);    printf("x=y.d j=y.d \n", i, j);
    }
}

```

Static means lifetime of this will be throughout entire program.



$count = count + i$
 $\Rightarrow 0 + 0$
 $\Rightarrow 0$



PROBLEM 1:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  /** 2 - FUNCTIONS PROBLEMS **/
4  int incr(i)
5  {
6      static int count=0;
7      count=count+i;
8      return(count);
9  }
10 int main()
11 {
12     int i,j;
13     for(i=0;i<=4;i++)
14         j=incr(i);
15     printf("i=%d j=%d\n",i,j);
16     getch();
17 }
18
```

"D:\1. C NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\PART 7_JENNY'S LECTURE_FUNCTION

i=5 j=10