1. What will be the output of following program?
```c
#include <stdio.h>
int main(void)
{
        int a = 1;
        int *p = &a;
        int *q = p;
        *p = *p + *q;
        printf("%d %d %d",*p,a,*q);
        return 0;
}
```

2. What code should be at $$$ to print 9?
```c
#include <stdio.h>
int sunbeam(int **q)
{
        int a = /*$$$*/;
        return a;
}
int main(void)
{
        int a = 3;
        int *p = &a;
        a=sunbeam(&p);
        printf("%d", a);
        return 0;
}
```

3. What will be the output of following program?
```c
#include <stdio.h>
int main(void)
{
        int a = 1;
        printf("%d", ++a);
        main();
        return 0;
}
```

4. What will be the output of following program?

```c
#include <stdio.h>

int main(void)
{
    register char reg = 20;
    char *ptr_reg = NULL;
    ptr_reg = &reg;
    *ptr_reg = 40;
    printf("%d ", reg);
    return 0;
}
```

5. What will be the output of following program?

```c
#include <stdio.h>

int var = 1;
int main(void)
{
    auto int var, var1;
    var = init();
    for(var1 = 1 ; var1 <= 3 ; var1++)
    {
        printf("%d ", first(var));
        printf("%d ", last(var));
    }
    return 0;
}

int init(void)
{
    return (var);
}
int first(int var)
{
    return var = var++;
}
int last(int var1)
{
    static int var = 5;
    return var1 = var--;
}
```