

1.

```
#include <stdio.h>
int num;
int cnt;
int function(int n)
{
    int num = 100/++cnt;
    return num;
}
int main(void)
{
    {
        int num=100;
        {
            int num=100;
            printf("%d %d\t", num, function(200));
        }
        printf("%d %d\t", num, function(200));
    }

    cnt++;
    printf("%d %d\t", num, function(200));

    return 0;
}
```

- A. 100 100 50 50 25 25
- B. 100 50 100 33 0 25
- C. 100 100 100 50 0 25
- D. 100 50 100 33 0 20

Answer: C

2.

```
#include <stdio.h>
int testDemo(int, int, int);
int main(void)
{
    int you = 64, me = 32, choice=1;
    if(choice==1)
    {
        int we = testDemo(you, me, 1);
        printf("%d %d %d\t", me, you, we);
    }

    int we = testDemo(me,you, 2);
    printf("[%d %d %d]\n", me, you, we);

    return 0;
}
int testDemo(int me, int you , int choice)
{
    if( choice==1)
    {
        me = me + you;
        return me - you;
    }
    else if( choice==2)
    {
        you = you - me;
        return me + you;
    }
    return 1;
}
```

- A. 32 64 64 [32 64 32]
- B. 32 64 32 [32 64 64]
- C. 32 64 32 [32 64 32]
- D. 32 64 64 [32 64 64]

Answer: D

3.

```
#include <stdio.h>
int value = 1000;
int function(void)
{
    auto int value = 100;
    value = value << 2;
    printf("%d ", value);
    {
        value = value << 2;
        printf("%d ", value);
        {
            value = value >> 2;
            printf("%d ", value);
        }
        value = value >> 2;
        printf("%d ", value);
    }

    value = value >> 2;
    printf("%d ", value);

    return 0;
}
int main(void)
{
    function();
    return 0;
}
```

- A. 4000 16000 4000 1000 250
- B. 800 3200 800 200 50
- C. 400 1600 400 100 25
- D. 2000 8000 2000 500 125

Answer: C

4.

```
#include <stdio.h>
int no1 = 17, no2 = 71;
void swapping(void)
{
    int temp = no2;
    no2 = no1;
    no1 = temp;
    printf("%d %d\t", no1, no2);
}
void swap(int n1, int n2)
{
    n1 = n1+n2;
    n2 = n1-n2;
    n1 = n1-n2;
    printf("%d %d\t", n1, n2);
}
int main(void)
{
    int no1 = 17, no2 = 71;
    swap(no2, no1);
    swapping();
    return 0;
}
```

- A. 17 17 17 17
- B. 17 71 17 71
- C. 71 17 71 17
- D. 71 71 71 71
- E. 17 71 71 17

Answer: E

5.

```
#include <stdio.h>
int fun(float a)
{
    if(!a==a)
        return a!=a?12.00:10.00;
    else
        return a==a?10.00:12.00;
}
int main( void )
{
    float x=fun(10.00);
    printf("%f",x);

    return 0;
}
```

- A. 12
- B. 10
- C. 12.000000
- D. 10.000000
- E. Compile time error

Answer: D