Basic C Programming

Q1 What will be the output of the program?

```
#include <stdio.h>
int main()
{
    printf("%f\n",2.5+1*7%2/4);
    return 0;
}
```

A. 2.500000
B. 2.750000
C. 3.375000
D. 3.000000

Answer: (B) A

Q2 What will be the output of the program?

```
#include <stdio.h>
int main()
{
    char c1,c2;
    c1='A'+'8'-'4';
    c2='A'+'8'-'5';
    printf("%c,%d\n",c1,c2);
    return 0;
}
```

A. E,68
B. D,69
C. E,D
D. Undefined

Answer: (C) A

Q3 What will be the output of the program?

```
#include <stdio.h>
int main()
{
    double d; float f; long l; int i;
    i=f=l=d=20/3;
    printf("%d,%ld,%f,%f\n",i,l,f,d);
    return 0;
}
```

A. 6,6,6.000000,6.000000

B. 6,6,6.666667,6.666667
C. 6,6,6.000000,6.666667
D. 6,6,6.7,6.000000

20/3 = 6 due to integer division so we get integer value 6

Answer: (B)

Q4 What will be the output of the program?

```
#include <stdio.h>
int main()
{
    int a;
    a=1+2*5-3;
    printf("%d,",a);
    a=3+4%5-6;
    printf("%d,",a);
    a=3*4%-6/5;
    printf("%d,",a);
    a=(5+3)%4/2;
    printf("%d\n",a);
    return 0;
}
```

A. 8,1,1,1
B. 8,1,0,0
C. 8,0,1,1
D. 8,0,1,0

Answer: (B)

Q5 What will be the output of the program?

```
#include <stdio.h>
int main()
{
    int m=12,n=34;
    printf("%d%d",m++,++n);
    printf("%d%d\n",n++,++m);
    return 0;
}
```

A. 12353514
B. 12353513
C. 12343514
D. 12343513

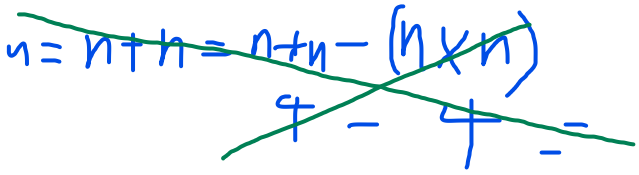
Answer: (B)

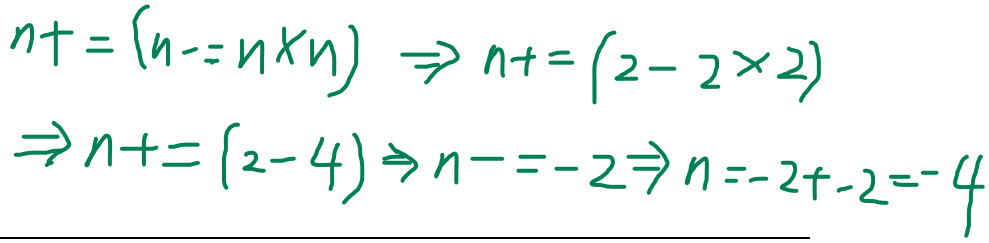
Q6 What will be the output of the program?

```
#include <stdio.h>
int main()
{
    int n=2;
    n+=n-=n*n;
    printf("%d\n",n);
    return 0;
}
```

A. 2
B. 0
C. -2
D. -4

Answer: (B) X D





Q7 What will be the output of the program?

```
#include <stdio.h>
int main()
{
    double a=1,b;
    b=a+5/2;
    printf("%f\n",b);
    return 0;
}
```

A. 1
B. 3
C. 3.000000
D. 3.500000

Answer: (C) ✓

Q8 What will be the output of the program, after executing the following input:
9876543210<CR> [Note: <CR> = the return key on the keyboard]

```
#include <stdio.h>
int main()
{
    int a; float b,c;
    scanf("%2d%3f%4f",&a,&b,&c);
    printf("%d,%f,%f\n",a,b,c);
```

i f f

```
    return 0;
}
```

A. 98,765,4321
B. 10,432,8765
C. 98,765.000000,4321.000000
D. 98,765.0,4321.0

Answer: (C)

Q9 What will be the output of the program, after executing the following input:
10 20 30<CR>

```
#include <stdio.h>
int main()
{
    int i=0,j=0,k=0;
    scanf("%d%d%d",&i,&j,&k);
    printf("%d%d%d\n",i,j,k);
    return 0;
}
```

A. 201030
B. 102030
C. 123
D. 302010

Answer: (B)

Q10 What will be the output of the program, if executing the following inputs:
123<CR>
45678<CR>

```
#include <stdio.h>
int main()
{
    char c1,c2,c3,c4,c5,c6;
    scanf("%c%c%c%c",&c1,&c2,&c3,&c4);
    c5=getchar();
    c6=getchar();
    putchar(c1);
    putchar(c2);
    printf("%c%c\n",c5,c6);
    return 0;
}
```

A. 1267
B. 1256

C. 1278
D. 1245

Answer: (D)