

# PL-2020-MCQ-03

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\* Required

Find the output of the following C code: \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a = 10, b = 3, c = 2, d = 4, result;
```

```
    result = a + a * -b / c % d + c * d;
```

```
    printf("%d", result);
```

```
    return 0;
```

```
}
```

☐ -42

☐ 24

☒ 15

☐ -34



What will be the output? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x;
```

```
    x = 4 < 5 + 3 && 7;
```

```
    printf("%d", x);
```

```
    return 0;
```

```
}
```

☐ 0

☒ 1

☐ 7

☐ Compilation error



What is the output of the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i= 10, 20, 30;
```

```
    printf("%d\n", i);
```

```
    return 0;
```

```
}
```

☐ 1

☐ 3

☐ Prints some garbage value

☒ Compile time error



What is the output of the following C code? \*

```
#include <stdio.h>

int main()
{
    int var = 010;

    var = var + 10;

    printf("%d", var);

    return 0;
}
```

- ☐ 10
- ☐ 20
- ☒ 18
- ☐ Compiler error



What will be the output of the following C program? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int A = 3, B = 2, C = 5, F;
```

```
    float D = 2.5, E = -9.0;
```

```
    F = B > A + E / B * A < C;
```

```
    printf("%d", F);
```

```
    return 0;
```

```
}
```

☐ -3.5

☐ 0

☒ 1

☐ None of the mentioned



What will be the output? [N.B:- .2f is used to print upto 2 decimal places of a floating point number] \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    float a = 9.0;
```

```
    printf("%.2f", (9 / 5) * a + 10);
```

```
    return 0;
```

```
}
```

- ☐ 19.000000
- ☒ 19.00
- ☐ 0.000000
- ☐ Compiler error



Find the output of the following program. \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 10, b;
```

```
    b = ++x;
```

```
    printf("%d", b);
```

```
    return 0;
```

```
}
```

☐ 10

☒ 11

☐ 9

☐ There would be a compilation error.



What will be the output of the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 2, y = 1, z = 9;
```

```
    x = x && y || z;
```

```
    printf("%d", x || !y && z);
```

```
return 0;
```

```
}
```

☐ 0

☒ 1

☐ 2

☐ None of the mentioned





What is the output of the following program? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a = 10, b;
```

```
    b = a / 3;
```

```
    printf("%f", b);
```

```
    return 0;
```

```
}
```

- ☒ 3.000000
- ☐ 1
- ☐ 0.000000
- ☐ Compilation error



What does the following program print? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a = 1;
```

```
    printf("size of a is %d", sizeof(++a));
```

```
    return 0;
```

```
}
```

- ☐ Size of the integer in bits.
- ☒ Size of the integer in bytes.
- ☐ None of the mentioned



The output of the program is: \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a = 10; b = 15; c = 20;
```

```
    c = a + b;
```

```
    printf("%d", c);
```

```
    return 0;
```

```
}
```

☐ 25

☐ 20

☐ 10

☒ Compilation error



What is the output of the following program? \*

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int a = 10, b = 3, c;
```

```
    float d;
```

```
    c = a % b;
```

```
    d = a / b;
```

```
    printf("Value of c and d are %d and %f respectively", c, d);
```

```
    return 0;
```

```
}
```

- ☐ Value of c and d are 1 and 3 respectively
- ☒ Value of c and d are 1 and 3.333333 respectively
- ☐ Value of c and d are 1.000000 and 3.000000 respectively
- ☐ Value of c and d are 1 and 3.000000 respectively



What will be output if you will compile and execute the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 10;
```

```
    printf("%d %d %d", x, x++, x--);
```

```
    return 0;
```

```
}
```

- ☒ 10 9 10
- ☐ 10 10 9
- ☐ 9 10 9
- ☐ 10 10 10
- ☐ Compile time error



What will be the output of the following c code? \*

```
#include <stdio.h>

int main()
{
    int x = 40, y = 50, z = 30;

    z = x + y;

    y = z - y;

    x = z - y;

    printf("%d %d %d", x, y, z);

    return 0;
}
```

- ☐ -20 -20 90
- ☒ 50 40 90
- ☐ 30 40 90
- ☐ Compile time error



What will be the output of the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i = 10;
```

```
    i = !i > 4;
```

```
    printf("%d", i);
```

```
    return 0;
```

```
}
```

☒ 0

☐ 1

☐ 4

☐ None of the mentioned



What is the output of the following program? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 7, y = 5, z;
```

```
    float w;
```

```
    z = x % y;
```

```
    w = x / y;
```

```
    printf("Value of z and w are %d and %f respectively", z, w);
```

```
    return 0;
```

```
}
```

- ☐ Value of z and w are 2 and 1 respectively
- ☒ Value of z and w are 2 and 1.400000 respectively
- ☐ Value of z and w are 2.000000 and 1.000000 respectively
- ☐ Value of z and w are 2 and 1.000000 respectively





What will be the output? [N.B.: .2f is used for printing floating point value with 2 decimal places] \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    float a = 5.0;
```

```
    printf("The output is %.2f", (7 / 5) * a + 12);
```

```
    return 0;
```

```
}
```

- ☐ The output is 19.00
- ☐ The output is 12.00
- ☐ The output is 0.00
- ☒ The output is 17.00



The output of the program is: \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 5;
```

```
    y = 10;
```

```
    z = 20;
```

```
    z = x + y;
```

```
    printf("%d", z);
```

```
    return 0;
```

```
}
```



15



20



0



Compilation error



What is the output of the following program? (Assuming that the program is run on a 32-bit system) \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    char a = 'a';
```

```
    a = a + 3;
```

```
    printf("%c", a);
```

```
    return 0;
```

```
}
```

☐ a

☐ 100

☒ d

☐ Compilation error



What will be the output? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a;
```

```
    a = 10, 20, 30;
```

```
    printf("%d", a);
```

```
    return 0;
```

```
}
```

- ☒ 10
- ☐ 20
- ☐ 30
- ☐ Compilation error



What will be the output? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x;
```

```
    x = 5 > 7 + 3 && 8;
```

```
    printf("%d", x);
```

```
    return 0;
```

```
}
```

☒ 0

☐ 1

☐ 9

☐ Compilation error



What will be the output? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x;
```

```
    x = 4 > 5 ? 1 : 2;
```

```
    printf("%d", x);
```

```
    return 0;
```

```
}
```

☐ 1

☒ 2

☐ 3

☐ 4



What is the output of the following program? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    float i = -3.0;
```

```
    int k = i % 2;
```

```
    printf("%d", k);
```

```
    return 0;
```

```
}
```

☒ -1

☐ 1

☐ 0

☐ Compilation error



Find the output of the following C code. \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 7, y = 5;
```

```
    printf("%d", x == y);
```

```
    return 0;
```

```
}
```

☐ 1

☐ 7

☐ 5

☒ 0





What is the output of the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 9, y = 5, z = 3;
```

```
    printf("%d\n", x - x / y * y % z);
```

```
    return 0;
```

```
}
```

☐ 5.4

☐ 16

☒ 7

☐ 1



What is the output of this C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i = -5;
```

```
    i = i / 2;
```

```
    printf("%d", i);
```

```
    return 0;
```

```
}
```

- ☐ -2.5
- ☒ -2
- ☐ 2.5
- ☐ Compile time error



What will be the output of the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i = 10;
```

```
    i = !i > 14;
```

```
    printf("%d", i);
```

```
    return 0;
```

```
}
```

☐ 10

☒ 0

☐ Nothing is printed

☐ Compile time error



What is the output of the following C code? \*

```
#include <stdio.h>

int main()
{
    int var = 0101;

    var = var + 5;

    printf("%d", var);

    return 0;
}
```

- ☐ 106
- ☒ 70
- ☐ 10
- ☐ Compiler error



Compute the printed value of i for the C program given below: \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i = 1;
```

```
    i = ++i + i;
```

```
    printf("%d", i);
```

```
    return 0;
```

```
}
```

☐ 1

☐ 2

☐ 3

☒ 4



What will be the output? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x;
```

```
    x = (7 + 6) % 5 / 2;
```

```
    printf("%d", x);
```

```
    return 0;
```

```
}
```

☐ 0

☒ 1

☐ 0.5

☐ Compilation error



What is the output of the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 9, y = 5, z = 3;
```

```
    printf("%d", x - x / y * y % z);
```

```
    return 0;
```

```
}
```

☐ 5.4

☐ 16

☒ 7

☐ 1

Compute the value of x of the C program given below: \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x = 5 * 5 / 3 + 9;
```

```
    return 0;
```

```
}
```

☐ 17.33

☐ 14

☒ 17

☐ Depends on compiler



What is the output of the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int y = 2;
```

```
    int z = y + (y == 10);
```

```
    printf("%d", z);
```

```
    return 0;
```

```
}
```

☐ 12

☒ 2

☐ 20

☐ Compiler error





What will be the output of the following C code? \*

```
#include <stdio.h>

int main()
{
    int x = 2;

    printf("%d", x++);

    return 0;
}
```

- ☒ 2
- ☐ 3
- ☐ 1
- ☐ Depends on the compiler



What will be the output of the following C code? \*

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a = 10, b = 20, c = 30;
```

```
    a = b == c;
```

```
    printf("%d", a);
```

```
    return 0;
```

```
}
```

☒ 0

☐ 1

☐ 20

☐ 30

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