

# PL-2020-MCQ-02

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\* Required

What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    printf("%d %d %d", sizeof(char), sizeof(int), sizeof(float));
```

```
    return 0;
```

```
}
```



1 4 4



1 2 4



1 4 8



Compilation Error



What will be the output of the program given below? \*

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

```
int main()
```

```
{
```

```
    a = 7;
```

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

```
    return 0;
```

```
    return 0;
```

```
}
```

☒ 7

☐ 0

☐ 111

☐ Compilation Error



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

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

```
int main()
```

```
{
```

```
    printf("\nC-Programming\tClasses\n ");
```

```
    return 0;
```

```
}
```

- ☐ \"C-Programming\tClasses\"
- ☐ "C-Programming\tClasses"
- ☐ C-Programming Classes
- ☒ "C-Programming Classes"

What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    char ch = 291;
```

```
    printf("%d %d %c", 2147483648, ch, ch);
```

```
    return 0;
```

```
}
```

- ☒ -2147483648 35 #
- ☐ -2147483648 35 \*
- ☐ -2147483648 35 +
- ☐ Compilation Error



If integers need two bytes of storage, then maximum value of an unsigned integer \*  
is

- ☐  $2^{16}-1$
- ☒  $2^{15}-1$
- ☐  $2^{16}$
- ☐  $2^{15}$

What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    char c = 65;
```

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

```
    return 0;
```

```
}
```

- ☐ 65
- ☐ 0
- ☒ A
- ☐ Compilation Error



What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    printf("%d %o %x", 72, 72, 72);
```

```
    return 0;
```

```
}
```

- ☒ 72 110 48
- ☐ 72 72 72
- ☐ 72 72 48
- ☐ Compilation Error



Find the output of the following program. \*

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

```
int main()
```

```
{
```

```
    int x = 40;
```

```
    {
```

```
        int x = 20;
```

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

```
    }
```

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

```
    return 0;
```

```
}
```

- ☒ 20 40
- ☐ 20 20
- ☐ 40 40
- ☐ 40 20



Find the output of the following program. \*

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

```
int x = 40;
```

```
int main()
```

```
{
```

```
    int x = 20;
```

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

```
    return 0;
```

```
}
```

☐ 40

☒ 20

☐ 0

☐ Garbage value



What is the output of this C code? \*

```
#include <stdio.h>

int main()
{
    signed char c = 80;

    c += 10;

    c -= 26;

    c = ++c;

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

    return 0;
}
```

- ☒ 65 A 65
- ☐ 65 65 65
- ☐ A A A
- ☐ Compilation Error





What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    printf("Hello World! %d \n", x);
```

```
    return 0;
```

```
}
```

- ☐ Hello World! x;
- ☐ Hello World! followed by a junk value
- ☒ Compile time error
- ☐ Hello World!



What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    char ch;
```

```
    int a;
```

```
    float b;
```

```
    printf("%d %d %d", sizeof(ch), sizeof(a), sizeof(b));
```

```
    return 0;
```

```
}
```

☐ 1 4 4

☒ 1 2 4

☐ 1 4 8

☐ Compilation Error



What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    unsigned u = 4294967296;
```

```
    printf("%u", u);
```

```
    return 0;
```

```
}
```

- ☐ 4294967296
- ☒ 0
- ☐ -1
- ☐ Compilation Error



What will happen if the following C code is executed? \*

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

```
int main()
```

```
{
```

```
    int main = 10;
```

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

```
    return 0;
```

```
}
```

- ☒ It will cause a compilation error
- ☐ It will cause a run-time error
- ☐ It will run without any error and prints 10
- ☐ It will experience infinite looping



Find the output of the following program. \*

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

```
int main()
```

```
{
```

```
    int i = 01289;
```

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

```
    return 0;
```

```
}
```

☒ Syntax error

☐ 0713

☐ 1289

☐ 01289

If integer needs two bytes of storage, then the minimum value of a signed integer \* in C would be \_\_\_\_.

☐  $-(2^{16} - 1)$

☐ 0

☐  $-(2^{15} - 1)$

☒  $-2^{15}$



What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
printf("%d %d %d ", sizeof('7'), sizeof(7), sizeof(7.0));
```

```
    return 0;
```

```
}
```

☐ 1 4 8

☐ 4 4 8

☒ 1 2 8

☐ Compilation Error



What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    int a = 12, b = 78;
```

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

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

```
    return 0;
```

```
}
```

- ☐ c = 90 c = Z
- ☒ c = Z c = 90
- ☐ c = z c = 90
- ☐ Compilation Error



What will be the output of the following C code? [Assume it's a 32-bit system] \*

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

```
int main()
```

```
{
```

```
    int x = 70;
```

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

```
    return 0;
```

```
}
```

- ☐ 70
- ☒ F
- ☐ 70.0
- ☐ Compilation error

What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    printf("%d %d %d %d", 72, 072, 0x72, 0X72);
```

```
    return 0;
```

```
}
```

- ☒ 72 58 114 114
- ☐ 72 72 114 114
- ☐ 72 72 72 72
- ☐ Compilation Error





What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    printf("%c %c", 74 + 32, 80 + 32);
```

```
    return 0;
```

```
}
```

- ☒ j p
- ☐ 106 112
- ☐ 0 0
- ☐ Compilation Error

What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    unsigned char c = 65;
```

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

```
    return 0;
```

```
}
```

- ☒ 65 A 65
- ☐ 65 65 65
- ☐ A A A
- ☐ Compilation Error



What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    j = 10;
```

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

```
    return 0;
```

```
}
```

☐ 10

☐ 11

☒ Compile time error

☐ 0



What is the output of this C code? \*

```
#include <stdio.h>

int main()
{
    printf("%d %c\n");
    printf("%d %c");
    return 0;
}
```

- ☒ Garbage Values
- ☐ 0 A 0 A
- ☐ 0 0 0 0
- ☐ Compilation Error



What is the output of this C code? \*

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

```
int main()
```

```
{
```

```
    int a = 123456789999;
```

```
    float b = 3.4e100;
```

```
    printf("a = %d b = %f\n", a, b);
```

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

```
    return 0;
```

```
}
```

- ☒ a = -1097261585 b = 1.#INF00 4 4
- ☐ a = -1097261585 b = 1.#INF00 2 2
- ☐ a = -1097261585 b = 1.#INF00 1 4
- ☐ a = -1097261585 b = 1.#INF00 4 1

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