

C MCQs - 12

Topics : [C](#)

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111. What will be the output of the following code snippet?

```
#include <stdio.h>
int main() {
    int x = 5;
    printf("%d\n", x++);
    printf("%d\n", ++x);
    return 0;
}
```

- a) 5, 7
- b) 5, 6
- c) 6, 7
- d) 6, 6

****Answer: b) 5, 6****

112. In C, what is the purpose of the `free()` function?

- a) It deallocates memory.
- b) It fills a block of memory with a particular value.
- c) It copies a block of memory to another block.
- d) It concatenates two strings.

****Answer: a) It deallocates memory.****

113. What will be the output of the following code?

```
#include <stdio.h>
int main() {
    char str[10] = "Hello";
    printf("%s\n", str);
    return 0;
}
```

- a) Hello
- b) Compiler error
- c) Undefined behavior
- d) No output

****Answer: a) Hello****

114. Which of the following functions is used to convert a string to an integer in C?

- a) atoi()
- b) itoa()
- c) atof()
- d) stoi()

****Answer: a) atoi()****

115. What will be the output of the following code?

```
#include <stdio.h>
int main() {
    int x = 5, y = 10;
    printf("%d\n", (x < y) ? x : (y < x) ? y : (x = y));
    return 0;
}
```

- a) 5
- b) 10
- c) 15
- d) Compiler error

****Answer: a) 5****

116. In C, what is the purpose of the fgetc() function?

- a) To read a line from a file
- b) To read a character from a file
- c) To read a line from the console
- d) To read a character from the console

****Answer: a) To read a line from a file****

117. What will be the output of the following code?

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

```
int main() {  
    int x = 5;  
    printf("%f\n", (float)x);  
    return 0;  
}
```

- a) 5.000000
- b) 5
- c) Compiler error
- d) Undefined behavior

****Answer: a) 5.000000****

118. Which of the following is the correct syntax to declare a structure in C?

- a) struct { int x; };
- b) structure { int x; };
- c) struct x { int x; };
- d) struct { int x; } x;

****Answer: c) struct x { int x; };****

119. What will be the output of the following code?

```
#include <stdio.h>  
int main() {  
    int x = 5;  
    printf("%p\n", &x);  
    return 0;  
}
```

- a) Address of x
- b) Value of x
- c) Address of ptr
- d) Compiler error

****Answer: a) Address of x****

120. Which of the following functions is used to compare two strings in C?

- a) strcmp()
- b) strcat()
- c) strlen()
- d) strcpy()

****Answer: a) strcmp()****

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