

C Character Class Testing And Conversation Questions

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1) Which of the following library function is not case-sensitive?

- a) toupper()
- b) tolower()
- c) isdigit()
- d) All of the mentioned

**2) The following expression can be substituted for:
if (isalpha(c) && isdigit(c))**

- a) if (isalnum(c))
- b) if (isalphanum(c))
- c) if (isalphanumeric(c))
- d) None of the mentioned.

**3) Which of the following will return a non-zero value when checked with
isspace(c)?**

- a) blank
- b) newline
- c) return
- d) All of the mentioned

4) What is the output of this C code?

1. #include <stdio.h>
2. #include <ctype.h>
3. int main()
4. {
5. char i = 9;
6. if (isdigit(i))
7. printf("digit\n");
8. else
9. printf("not digit\n");
10. return 0;
11. }

- a) digit
- b) not digit
- c) Depends on the compiler
- d) None of the mentioned

5) What is the output of this C code?

```
1.  #include <stdio.h>
2.  #include <ctype.h>
3.  int main()
4.  {
5.      int i = 9;
6.      if (isdigit(i))
7.          printf("digit\n");
8.      else
9.          printf("not digit\n");
10.     return 0;
11. }
```

- a) digit
- b) not digit
- c) Depends on the compiler
- d) None of the mentioned

6. What is the output of this C code?

```
1.  #include <stdio.h>
2.  int main()
3.  {
4.      char i = '9';
5.      if (isdigit(i))
6.          printf("digit\n");
```

```
7.     else

8.     printf("not digit\n");

9.     return 0;

10. }
```

- a) digit
- b) not digit
- c) Depends on the compiler
- d) None of the mentioned

7. What is the output of this C code?

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

2.  #include <ctype.h>

3.  int main()

4.  {

5.      if (isspace('n'))

6.          printf("space\n");

7.      else

8.          printf("not space\n");

9.      return 0;

10. }
```

- a) Compile time error
- b) space
- c) not space
- d) None of the mentioned

8. What is the output of this C code?

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

2.  #include <ctype.h>
```

```

3.  int main()
4.  {
5.      int i = 0;
6.      if (isspace(i))
7.          printf("space\n");
8.      else
9.          printf("not space\n");
10.     return 0;
11. }

```

- a) Compile time error
- b) space
- c) not space
- d) None of the mentioned

9. Which is true about isalpha(c), where c is an int that can be represented as an unsigned char or EOF.

Isalpha returns

- a) Non-zero if c is alphabetic
- b) 0 if c is not alphabetic
- c) Both a & b
- d) None of the mentioned

10. Which is true about isupper(c), where c is an int that can be represented as an unsigned char or EOF.

isupper(c) returns?

- a) Non-zero if c is upper case
- b) 0 if c is not upper case
- c) Nothing
- d) Both a & b

11. Which is true about isalnum(c), where c is an int that can be represented as an unsigned char or EOF.

isalnum(c) returns?

- a) Non-zero if isalpha(c) or isdigit(c)
- b) 0 if not isalpha(c) or not isdigit(c)
- c) Both a & b
- d) None of the mentioned

12. What is the output of this C code?

```
1.  #include <stdio.h>
2.  #include <ctype.h>
3.  int main()
4.  {
5.      char c = 't';
6.      printf("%d\n", isspace(c));
7.      return 0;
8.  }
```

- a) Non-zero number
- b) 0
- c) Error
- d) t

13. What is the output of this C code?

```
1.  #include <stdio.h>
2.  #include <ctype.h>
3.  int main()
4.  {
5.      char c = '\t';
6.      printf("%d\n", isspace(c));
7.      return 0;
8.  }
```

- a) Non-zero number

- b) Nothing
- c) Error
- d) t

14. What is the output of this C code?

```
1.  #include <stdio.h>
2.  #include <ctype.h>
3.  int main()
4.  {
5.      char c = 't';
6.      printf("is :%c\n", tolower('A'));
7.      return 0;
8.  }
```

- a) A
- b) a
- c) Non-zero number
- d) Zero

15. Which types of input are accepted in toupper(c)?

- a) char
- b) char *
- c) float
- d) Both (a) and (b)

16. What is the difference in the ASCII value of capital and non-capital of the same letter is?

- a) 1
- b) 16
- c) 32
- d) Depends with compiler

References:

1) <http://www.sanfoundry.com/c-interview-questions-answers/>