C String Operations Questions

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1) The return-type used in String operations are.

a) void only
b) void and (char *) only
c) void and int only
d) void, int and (char *) only

2) String operation such as strcat(s, t), strcmp(s, t), strcpy(s, t) and strlen(s) heavily rely upon.

a) Presence of NULL character
b) Presence of new-line character
c) Presence of any escape sequence
d) None of the mentioned

3) Which pre-defined function returns a pointer to the last occurrence of a character in a string?

a) strchr(s, c);
b) strrchr(s, c);
c) strlchr(s, c);
d) strfchr(s, c);

4) Which of the following function compares 2 strings with case-insensitively?

a) strcmp(s, t)
b) strcmpcase(s, t)
c) strcasecmp(s, t)
d) strchr(s, t)

5) What will be the value of var for the following?
var = strcmp(“Hello”, “World”);

a) -1
b) 0
c) 1
d) strcmp has void return-type

6) What is the output of this C code?

```
1. #include <stdio.h>
2. int main()
3. {
```

```
4.      char str[10] = "hello";
5.      char *p = strrchr(str, 'l');
6.      printf("%c\n", *(++p));
7.      return 0;
8.  }
```

a) l
b) o
c) e
d) Compilation error

7. What is the output of this C code?

```
1.  #include <stdio.h>
2.  int main()
3.  {
4.      char *str = "hello, world";
5.      char *str1 = "hello, world";
6.      if (strcmp(str, str1))
7.          printf("equal");
8.      else
9.          printf("unequal");
10.     return 0;
11. }
```

a) equal
b) unequal
c) Compilation error
d) Depends on the compiler

8. What is the output of this C code?

```
1.  #include <stdio.h>
2.  int main()
```

```
3.  {
4.      char *str = "hello";
5.      char str1[5];
6.      strcpy(str, str1);
7.      printf("%s", str1);
8.  }
```

a) Compilation error
b) Undefined behaviour
c) hello, world
d) Segmentation fault.

9. What is the output of this C code?

```
1.  #include <stdio.h>
2.  #include <string.h>
3.  int main()
4.  {
5.      char *str = "hello, world";
6.      char str1[9];
7.      strncpy(str1, str, 9);
8.      printf("%s %d", str1, strlen(str1));
9.      return 0;
10. }
```

a) hello, world 11
b) hello, wor 9
c) Undefined behaviour
d) Compilation error

10. What is the output of this C code?

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

```
2.  int main()
3.  {
4.      char *str = "hello, world\n";
5.      printf("%d", strlen(str));
6.      return 0;
7.  }
```

a) Compilation error
b) Undefined behaviour
c) 13
d) 11

11. What is the output of this C code?

```
1.  #include <stdio.h>
2.  int main()
3.  {
4.      char str[11] = "hello";
5.      char *str1 = "world";
6.      strcat(str, str1);
7.      printf("%s %d", str, str[10]);
8.      return 0;
9.  }
```

a) helloworld 0
b) helloworld anyvalue
c) worldhello 0
d) Segmentation fault/code crash

12. Strcat function adds null character

a) Only if there is space
b) Always
c) Depends on the standard
d) Depends on the compiler

13. What is the output of this C code?

```
1.  #include <stdio.h>
2.  int main()
3.  {
4.      char str[10] = "hello";
5.      char *str1 = "world";
6.      strncat(str, str1, 9);
7.      printf("%s", str);
8.      return 0;
9.  }
```

a) helloworld
b) Undefined behaviour
c) helloworl
d) hellowor

References:

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