Q1. What will be the output of the following C code? (Assuming that we have entered the value 1 in the standard input)

1. #include <stdio.h>
2. void main()
3. {
4. double ch;
5. printf("enter a value between 1 to 2:");
6. scanf("%lf", &ch);
7. switch (ch)
8. {
9. case 1:
10. printf("1");
11. **break**;
12. case 2:
13. printf("2");
14. **break**;
15. }
16. }

a) Compile time error  
b) 1  
c) 2  
d) Varies

Q2. What will be the output of the following C code? (Assuming that we have entered the value 1 in the standard input)

1. #include <stdio.h>
2. void main()
3. {
4. char \*ch;
5. printf("enter a value between 1 to 3:");
6. scanf("%s", ch);
7. switch (ch)
8. {
9. case "1":
10. printf("1");
11. **break**;
12. case "2":
13. printf("2");
14. **break**;
15. }
16. }

a) 1  
b) Compile time error  
c) 2  
d) Run time error

Q3. What will be the output of the following C code? (Assuming that we have entered the value 1 in the standard input)

1. #include <stdio.h>
2. void main()
3. {
4. int ch;
5. printf("enter a value between 1 to 2:");
6. scanf("%d", &ch);
7. switch (ch)
8. {
9. case 1:
10. printf("1**\n**");
11. default:
12. printf("2**\n**");
13. }
14. }

a) 1  
b) 2  
c) 1 2  
d) Run time error

Q4. What will be the output of the following C code? (Assuming that we have entered the value 2 in the standard input)

1. #include <stdio.h>
2. void main()
3. {
4. int ch;
5. printf("enter a value between 1 to 2:");
6. scanf("%d", &ch);
7. switch (ch)
8. {
9. case 1:
10. printf("1**\n**");
11. **break**;
12. printf("hi");
13. default:
14. printf("2**\n**");
15. }
16. }

a) 1  
b) hi 2  
c) Run time error  
d) 2

Q5. What will be the output of the following C code? (Assuming that we have entered the value 1 in the standard input)

1. #include <stdio.h>
2. void main()
3. {
4. int ch;
5. printf("enter a value between 1 to 2:");
6. scanf("%d", &ch);
7. switch (ch, ch + 1)
8. {
9. case 1:
10. printf("1**\n**");
11. **break**;
12. case 2:
13. printf("2");
14. **break**;
15. }
16. }

a) 1  
b) 2  
c) 3  
d) Run time error

.

Q6. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int a = 1, b = 1;
5. switch (a)
6. {
7. case a\*b:
8. printf("yes ");
9. case a-b:
10. printf("no**\n**");
11. **break**;
12. }
13. }

a) yes  
b) no  
c) Compile time error  
d) yes no

Q7. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int x = 97;
5. switch (x)
6. {
7. case 'a':
8. printf("yes ");
9. **break**;
10. case 97:
11. printf("no**\n**");
12. **break**;
13. }
14. }

a) yes  
b) yes no  
c) Duplicate case value error  
d) Character case value error

8. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. float f = 1;
5. switch (f)
6. {
7. case 1.0:
8. printf("yes**\n**");
9. **break**;
10. default:
11. printf("default**\n**");
12. }
13. }

a) yes  
b) yes default  
c) Undefined behaviour  
d) Compile time error

Q8. What will be the output of the following C code?

1. #include <stdio.h>
2. const int a = 1, b = 2;
3. int main()
4. {
5. int x = 1;
6. switch (x)
7. {
8. case a:
9. printf("yes ");
10. case b:
11. printf("no**\n**");
12. **break**;
13. }
14. }

a) yes no  
b) yes  
c) no  
d) Compile time error

Q9. What will be the output of the following C code?

1. #include <stdio.h>
2. #define max(a) a
3. int main()
4. {
5. int x = 1;
6. switch (x)
7. {
8. case max(2):
9. printf("yes**\n**");
10. case max(1):
11. printf("no**\n**");
12. **break**;
13. }
14. }

a) yes no  
b) yes  
c) no  
d) Compile time error

Q10.What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. switch (printf("Do"))
5. {
6. case 1:
7. printf("First**\n**");
8. **break**;
9. case 2:
10. printf("Second**\n**");
11. **break**;
12. default:
13. printf("Default**\n**");
14. **break**;
15. }
16. }

a) Do  
b) DoFirst  
c) DoSecond  
d) DoDefault

Q11. Comment on the output of the following C code.

1. #include <stdio.h>
2. int main()
3. {
4. int a = 1;
5. switch (a)
6. case 1:
7. printf("%d", a);
8. case 2:
9. printf("%d", a);
10. case 3:
11. printf("%d", a);
12. default:
13. printf("%d", a);
14. }

a) No error, output is 1111  
b) No error, output is 1  
c) Compile time error, no break statements  
d) Compile time error, case label outside switch statement

Q12. Which datatype can accept switch statement?  
a) int  
b) char  
c) long  
d) all of the mentioned

6. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int a = 1;
5. switch (a)
6. {
7. case a:
8. printf("Case A ");
9. default:
10. printf("Default");
11. }
12. }

a) Output: Case A  
b) Output: Default  
c) Output: Case A Default  
d) Compile time error

Q13. What will be the output of the following C code?

1. #include <stdio.h>
2. switch (ch)
3. {
4. case 'a':
5. case 'A':
6. printf("true");
7. }

a) if (ch == ‘a’ && ch == ‘A’) printf(“true”);  
b)

if (ch == 'a')

if (ch == 'a') printf("true");

c) if (ch == ‘a’ || ch == ‘A’) printf(“true”);  
d) none of the mentioned

Q14. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. while ()
5. printf("In while loop ");
6. printf("After loop**\n**");
7. }

a) In while loop after loop  
b) After loop  
c) Compile time error  
d) Infinite loop

Q15. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. do
5. printf("In while loop ");
6. while (0);
7. printf("After loop**\n**");
8. }

a) In while loop  
b)

In while loop

after loop

c) After loop  
d) Infinite loop

Q16. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. do {
6. i++;
7. printf("In while loop**\n**");
8. } while (i < 3);
9. }

a)

In while loop

In while loop

In while loop

b)

In while loop

In while loop

c) Depends on the compiler  
d) Compile time error

Q17. How many times i value is checked in the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. do {
6. i++;
7. printf("in while loop**\n**");
8. } while (i < 3);
9. }

a) 2  
b) 3  
c) 4  
d) 1

Q18. How many times i value is checked in the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. while (i < 3)
6. i++;
7. printf("In while loop**\n**");
8. }

a) 2  
b) 3  
c) 4  
d) 1

Q19. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 2;
5. do
6. {
7. printf("Hi");
8. } while (i < 2)
9. }

a) Compile time error  
b) Hi Hi  
c) Hi  
d) Varies

Q20. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0;
5. while (++i)
6. {
7. printf("H");
8. }
9. }

a) H  
b) H is printed infinite times  
c) Compile time error  
d) Varies

Q21. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0;
5. do
6. {
7. printf("Hello");
8. } while (i != 0);
9. }

a) Nothing  
b) H is printed infinite times  
c) Hello  
d) Run time error

Q22. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. char \*str = "";
5. do
6. {
7. printf("hello");
8. } while (str);
9. }

a) Nothing  
b) Run time error  
c) Varies  
d) Hello is printed infinite times

Q23. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0;
5. while (i < 10)
6. {
7. i++;
8. printf("hi**\n**");
9. while (i < 8)
10. {
11. i++;
12. printf("hello**\n**");
13. }
14. }
15. }

a) Hi is printed 8 times, hello 7 times and then hi 2 times  
b) Hi is printed 10 times, hello 7 times  
c) Hi is printed once, hello 7 times  
d) Hi is printed once, hello 7 times and then hi 2 times

Q24. What is an example of iteration in C?  
a) for  
b) while  
c) do-while  
d) all of the mentioned

Q25. How many times while loop condition is tested in the following C code snippets, if i is initialized to 0 in both the cases?

1. while (i < n)
2. i++;
3. ————-
4. do
5. i++;
6. while (i <= n);

a) n, n  
b) n, n+1  
c) n+1, n  
d) n+1, n+1

.

Q26. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. while (i = 0)
6. printf("True**\n**");
7. printf("False**\n**");
8. }

a) True (infinite time)  
b) True (1 time) False  
c) False  
d) Compiler dependent

Q27. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. char \*str = "";
5. do
6. {
7. printf("hello");
8. } while (str);
9. }

a) Nothing  
b) Run time error  
c) Varies  
d) Hello is printed infinite times

Q28. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0;
5. while (i < 10)
6. {
7. i++;
8. printf("hi**\n**");
9. while (i < 8)
10. {
11. i++;
12. printf("hello**\n**");
13. }
14. }
15. }

a) Hi is printed 8 times, hello 7 times and then hi 2 times  
b) Hi is printed 10 times, hello 7 times  
c) Hi is printed once, hello 7 times  
d) Hi is printed once, hello 7 times and then hi 2 times

Q29. What is an example of iteration in C?  
a) for  
b) while  
c) do-while  
d) all of the mentioned

Q30. How many times while loop condition is tested in the following C code snippets, if i is initialized to 0 in both the cases?

1. while (i < n)
2. i++;
3. ————-
4. do
5. i++;
6. while (i <= n);

a) n, n  
b) n, n+1  
c) n+1, n  
d) n+1, n+1

Q31. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. while (i = 0)
6. printf("True**\n**");
7. printf("False**\n**");
8. }

a) True (infinite time)  
b) True (1 time) False  
c) False  
d) Compiler dependent

Q32. Which keyword can be used for coming out of recursion?  
a) break  
b) return  
c) exit  
d) both break and return

Q33. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int a = 0, i = 0, b;
5. for (i = 0;i < 5; i++)
6. {
7. a++;
8. continue;
9. }
10. }

a) 2  
b) 3  
c) 4  
d) 5

Q34. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int a = 0, i = 0, b;
5. for (i = 0;i < 5; i++)
6. {
7. a++;
8. if (i == 3)
9. **break**;
10. }
11. }

a) 1  
b) 2  
c) 3  
d) 4

Q35. The keyword ‘break’ cannot be simply used within \_\_\_\_\_\_\_\_\_  
a) do-while  
b) if-else  
c) for  
d) while

Q36. Which keyword is used to come out of a loop only for that iteration?  
a) break  
b) continue  
c) return  
d) none of the mentioned

Q37. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0, j = 0;
5. for (i = 0;i < 5; i++)
6. {
7. for (j = 0;j < 4; j++)
8. {
9. if (i > 1)
10. **break**;
11. }
12. printf("Hi **\n**");
13. }
14. }

a) Hi is printed 5 times  
b) Hi is printed 9 times  
c) Hi is printed 7 times  
d) Hi is printed 4 times

Q38. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0;
5. if (i == 0)
6. {
7. printf("Hello");
8. continue;
9. }
10. }

a) Hello is printed infinite times  
b) Hello  
c) Varies  
d) Compile time error

Q39. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0;
5. if (i == 0)
6. {
7. printf("Hello");
8. **break**;
9. }
10. }

a) Hello is printed infinite times  
b) Hello  
c) Varies  
d) Compile time error

Q40. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. do
6. {
7. i++;
8. if (i == 2)
9. continue;
10. printf("In while loop ");
11. } while (i < 2);
12. printf("%d**\n**", i);
13. }

a) In while loop 2  
b) In while loop in while loop 3  
c) In while loop 3  
d) Infinite loop

Q41. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0, j = 0;
5. for (i; i < 2; i++){
6. for (j = 0; j < 3; j++){
7. printf("1**\n**");
8. **break**;
9. }
10. printf("2**\n**");
11. }
12. printf("after loop**\n**");
13. }

a)

1

2

after loop

b)

1

after loop

c)

1

2

1

2

after loop

d) 1. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0;
5. if (i == 0)
6. {
7. printf("Hello");
8. continue;
9. }
10. }

a) Hello is printed infinite times  
b) Hello  
c) Varies  
d) Compile time error

Q42. What will be the output of the following C code?

1. #include <stdio.h>
2. void main()
3. {
4. int i = 0;
5. if (i == 0)
6. {
7. printf("Hello");
8. **break**;
9. }
10. }

a) Hello is printed infinite times  
b) Hello  
c) Varies  
d) Compile time error

Q43. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. do
6. {
7. i++;
8. if (i == 2)
9. continue;
10. printf("In while loop ");
11. } while (i < 2);
12. printf("%d**\n**", i);
13. }

a) In while loop 2  
b) In while loop in while loop 3  
c) In while loop 3  
d) Infinite loop

Q44. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0, j = 0;
5. for (i; i < 2; i++){
6. for (j = 0; j < 3; j++){
7. printf("1**\n**");
8. **break**;
9. }
10. printf("2**\n**");
11. }
12. printf("after loop**\n**");
13. }

a)

1

2

after loop

b)

1

after loop

c)

1

2

1

2

after loop

d) 1

1

2

after loop

Q45. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. while (i < 2)
6. {
7. if (i == 1)
8. **break**;
9. i++;
10. if (i == 1)
11. continue;
12. printf("In while loop**\n**");
13. }
14. printf("After loop**\n**");
15. }

a)

In while loop

After loop

b) After loop  
c)

In while loop

In while loop

After loop

d) In while loop

Q46. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. int i = 0;
5. char c = 'a';
6. while (i < 2){
7. i++;
8. switch (c) {
9. case 'a':
10. printf("%c ", c);
11. **break**;
12. **break**;
13. }
14. }
15. printf("after loop**\n**");
16. }

a) a after loop  
b) a a after loop  
c) after loop  
d) None of the mentioned

Q47. What will be the output of the following C code?

1. #include <stdio.h>
2. int main()
3. {
4. printf("before continue ");
5. continue;
6. printf("after continue**\n**");
7. }

a) Before continue after continue  
b) Before continue  
c) After continue  
d) Compile time error