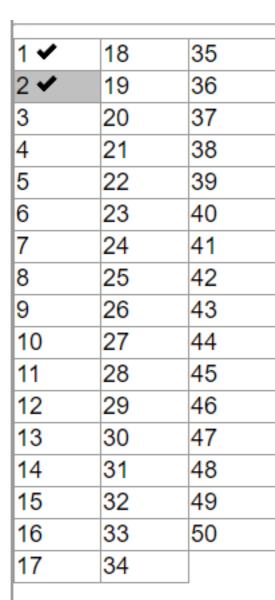
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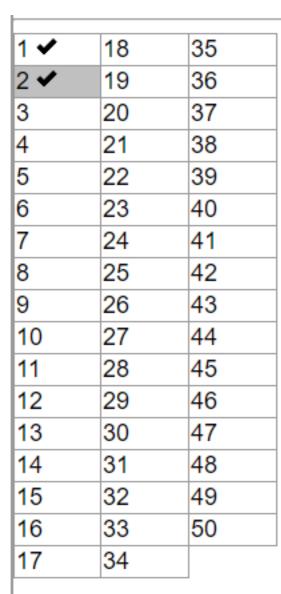
```
Q. No. 1
                 Function definitions are present in the Standard header files.
                 A: Yes, they are the library files
                 B: No, only declarations are present
                 C: No, both declarations and definitions are present
                 D: No, only definitions are present in header files
○ A ○ B ○ C ○ D Clear Answer
                                     Mark For Review
                 Q. No. 2
                 What is the output of the following code snippet?
                        #include <stdio.h>
                 int main(){
                               int x = -2;
                               while (x++ || x == 0){
                                      printf("X");
```



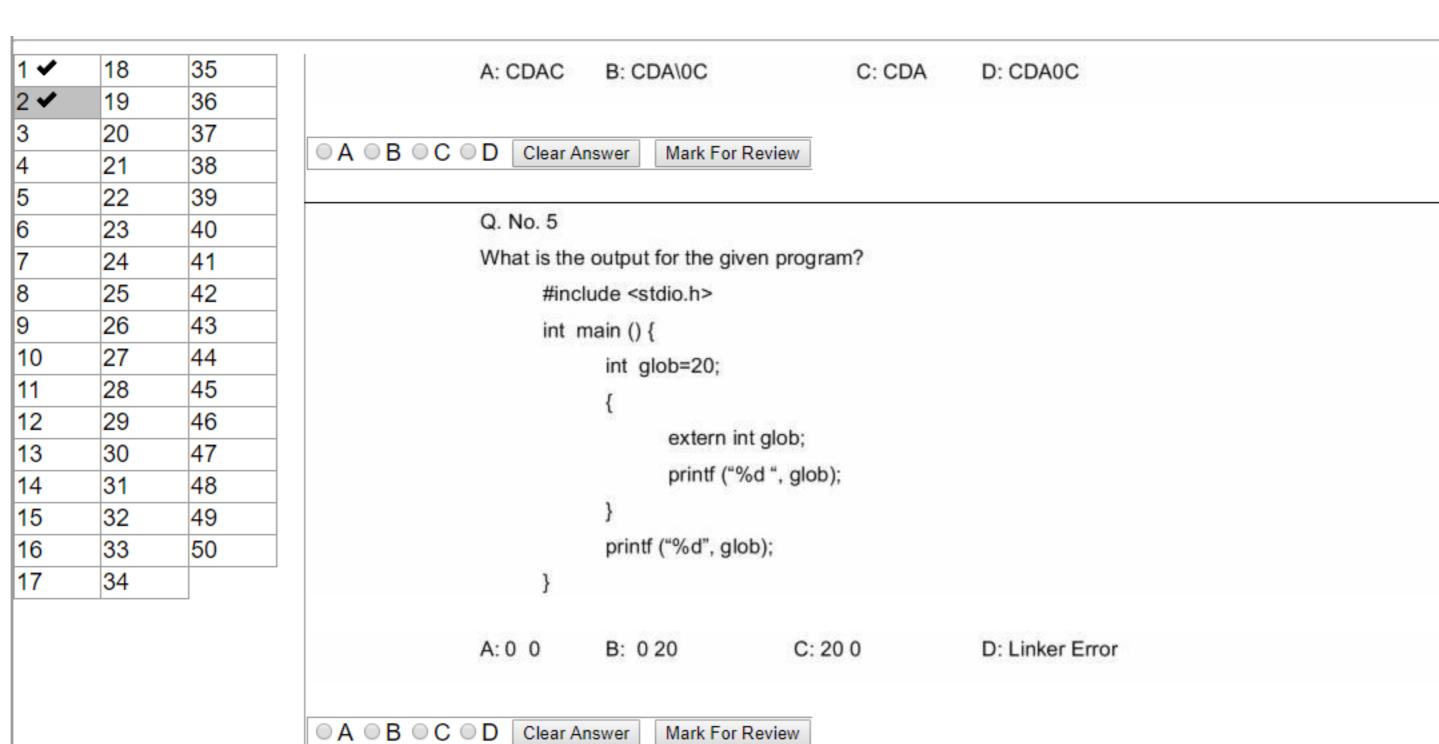
```
○ A ○ B ● C ○ D Clear Answer
                                     Mark For Review
                 Q. No. 2
                 What is the output of the following code snippet?
                       #include <stdio.h>
                 int main(){
                              int x = -2;
                              while (x++ || x == 0){
                                     printf("X");
                 A: X is printed 2 times
                                            B: X is printed 1 times
                 C: No Output
                                            D: X is printed infinitely
○ A ○ B ○ C ● D Clear Answer
                                    Mark For Review
                 Q. No. 3
                 What is the output of the following recursive code?
```

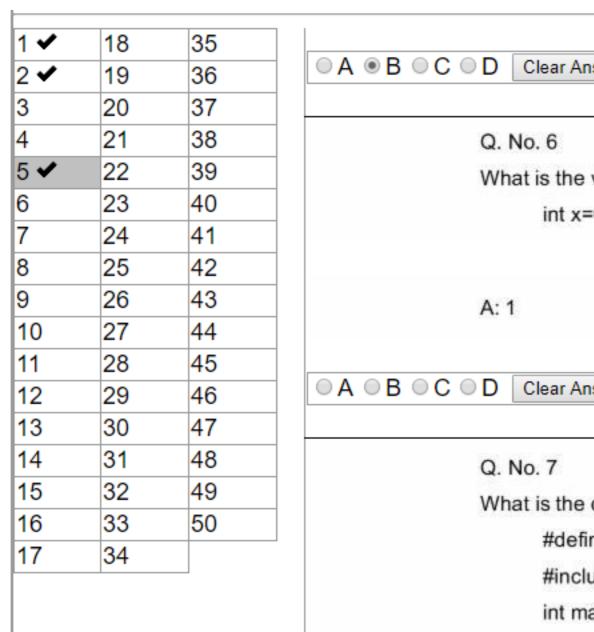
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```
○ A ○ B ○ C ● D Clear Answer
                                   Mark For Review
                Q. No. 3
                What is the output of the following recursive code?
                      #include <stdio.h>
                      void recur(int);
                      int main(){
                             recur(1);
                      void recur(int num){
                             if(num<=3){
                                    printf("%d", num);
                                    recur(num++);
                A: runtime error: stack overflow
                                                       B: 123
                C: 111
                                                       D: 321
```

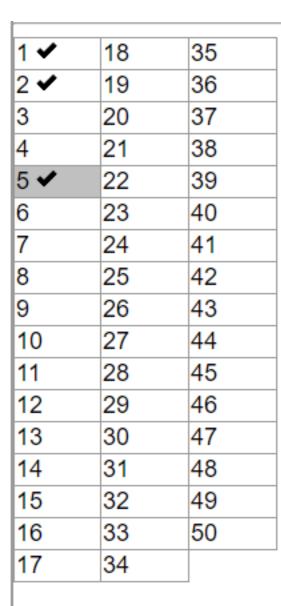


```
○ A ○ B ○ C ○ D Clear Answer
                                   Mark For Review
                Q. No. 4
                What is the output of the following C program?
                       #include<stdio.h>
                       int main()
                           char CDAC[6] = {'C', 'D', 'A', '\0', 'C'};
                           printf("%s", CDAC);
                           return 0;
                A: CDAC
                             B: CDA\0C
                                                      C: CDA
                                                                   D: CDA0C
○ A ○ B ○ C ○ D Clear Answer
                                   Mark For Review
                Q. No. 5
                What is the output for the given program?
                       #include <stdio.h>
```

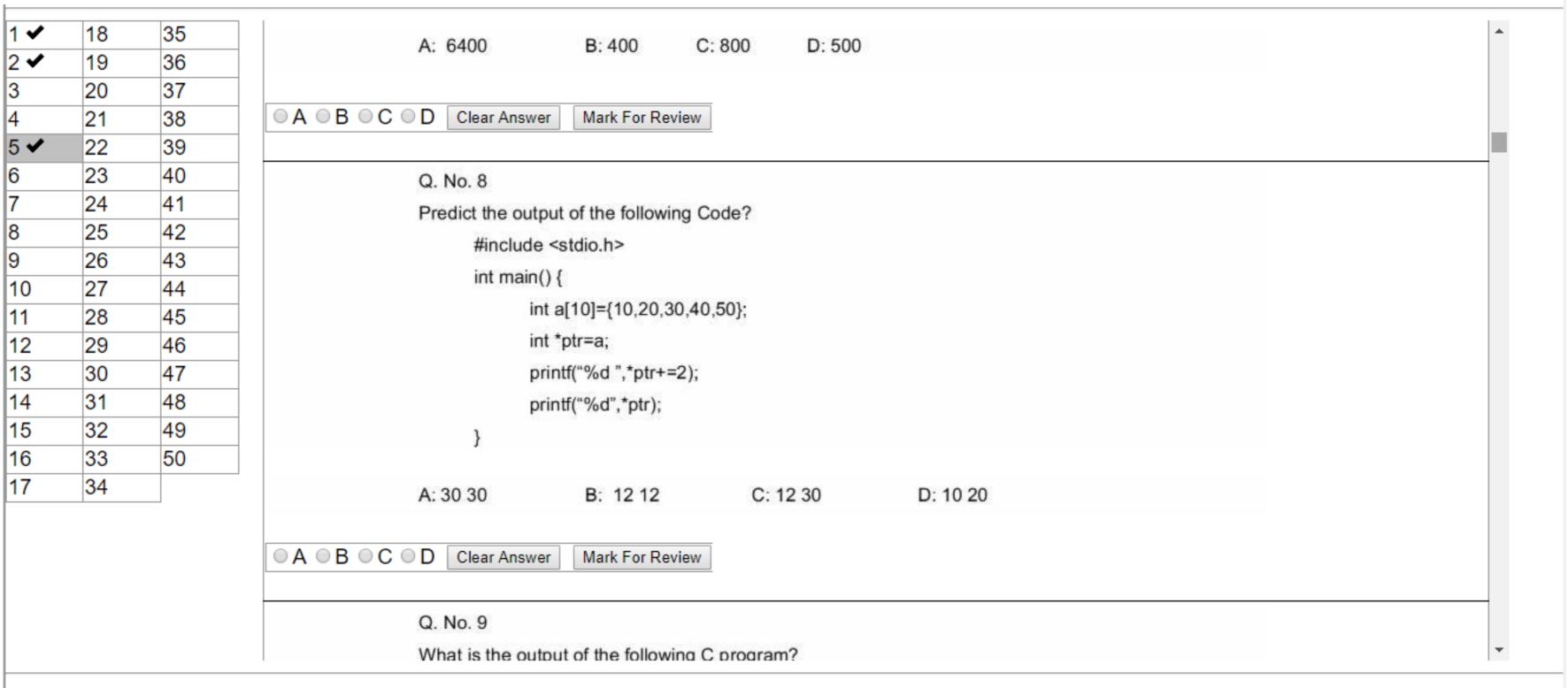




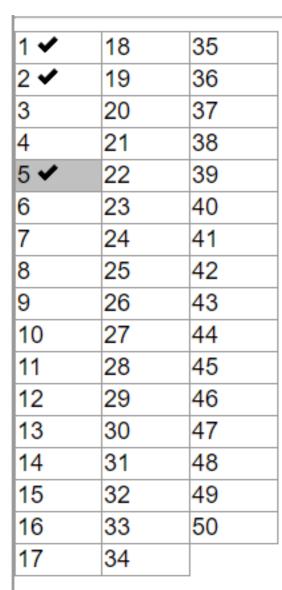
```
○ A ● B ○ C ○ D Clear Answer
                                   Mark For Review
                What is the value of x in the given code snippet?
                       int x=0 || 5;
                                    B: 2
                                                C: 0
                                                                    D: 5
○ A ○ B ○ C ○ D Clear Answer
                                   Mark For Review
                What is the output of the following C program?
                       #define GRADE(x, y) x##y
                       #include<stdio.h>
                       int main(){
                             int a = 200, b = 300, ab = 400;
                             printf("%d", ab + GRADE(a, b));
                             return 0;
```



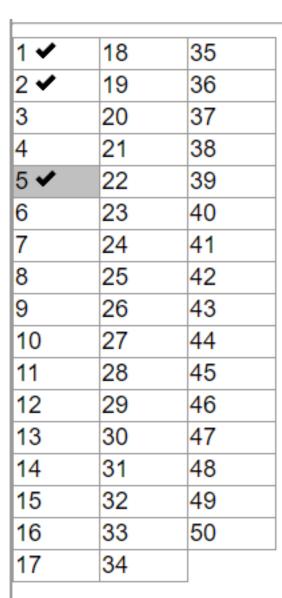
```
O A O B O C O D Clear Answer
                                   Mark For Review
                Q. No. 7
                What is the output of the following C program?
                       #define GRADE(x, y) x##y
                       #include<stdio.h>
                      int main(){
                             int a = 200, b = 300, ab = 400;
                             printf("%d", ab + GRADE(a, b));
                             return 0;
                                                C: 800
                                                             D: 500
                A: 6400
                                    B: 400
O A O B O C O D Clear Answer
                                   Mark For Review
                Q. No. 8
                Predict the output of the following Code?
                       Hindluda cetdia h>
```



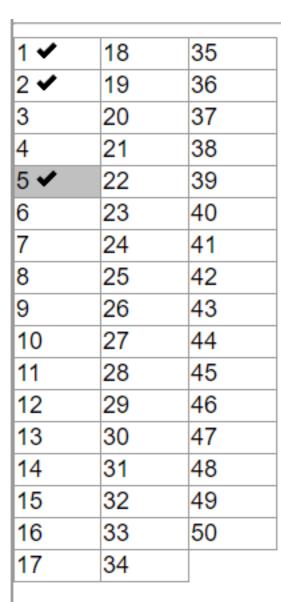
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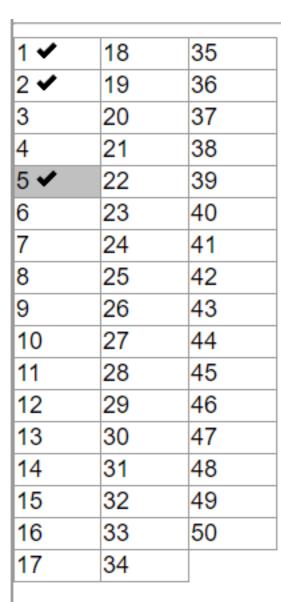
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○ A ○ B ○ C ○ D Clear Answer
                                   Mark For Review
                Q. No. 9
                What is the output of the following C program?
                       #include<stdio.h>
                       int main()
                            printf("%d", res(6));
                           return 0;
                       int res(int n)
                           return(n ? 1 + res( n & n-1 ): 0);
                A: 2
                             B: 1
                                          C: 6
                                                       D: 0
○ A ○ B ○ C ○ D Clear Answer
                                   Mark For Review
```



```
Q. No. 10
               What is the output of the following Code?
                           #include <stdio.h>
                            char *fun(){
                                        static char str[20];
                                        return str;
                           int main(){
                                        strcpy(fun(),"Hello");
                                        printf("%s ",fun());
                      A: Hello
                      B: prints nothing
                      C: compiler error, function returning address
               D: runtime error, because you cannot copy anything to a function
○ A ○ B ○ C ○ D Clear Answer
                                 Mark For Review
               Q. No. 11
               What is the output of the following C program?
                      #include<stdio.h>
```



```
O A O B O C O D Clear Answer
                                   Mark For Review
                Q. No. 11
                What is the output of the following C program?
                       #include<stdio.h>
                      int main()
                             int x = 1, y = 1;
                             x = (y = 35) + 7;
                             printf("%d %d", x, y);
                             return 0;
                A: 35 7
                             B: 7 35
                                          C: 35 42
                                                      D: 42 35
O A O B O C O D Clear Answer
                                   Mark For Review
                Q. No. 12
                What is the output for the following code snippet?
                       #include <stdio.h>
```

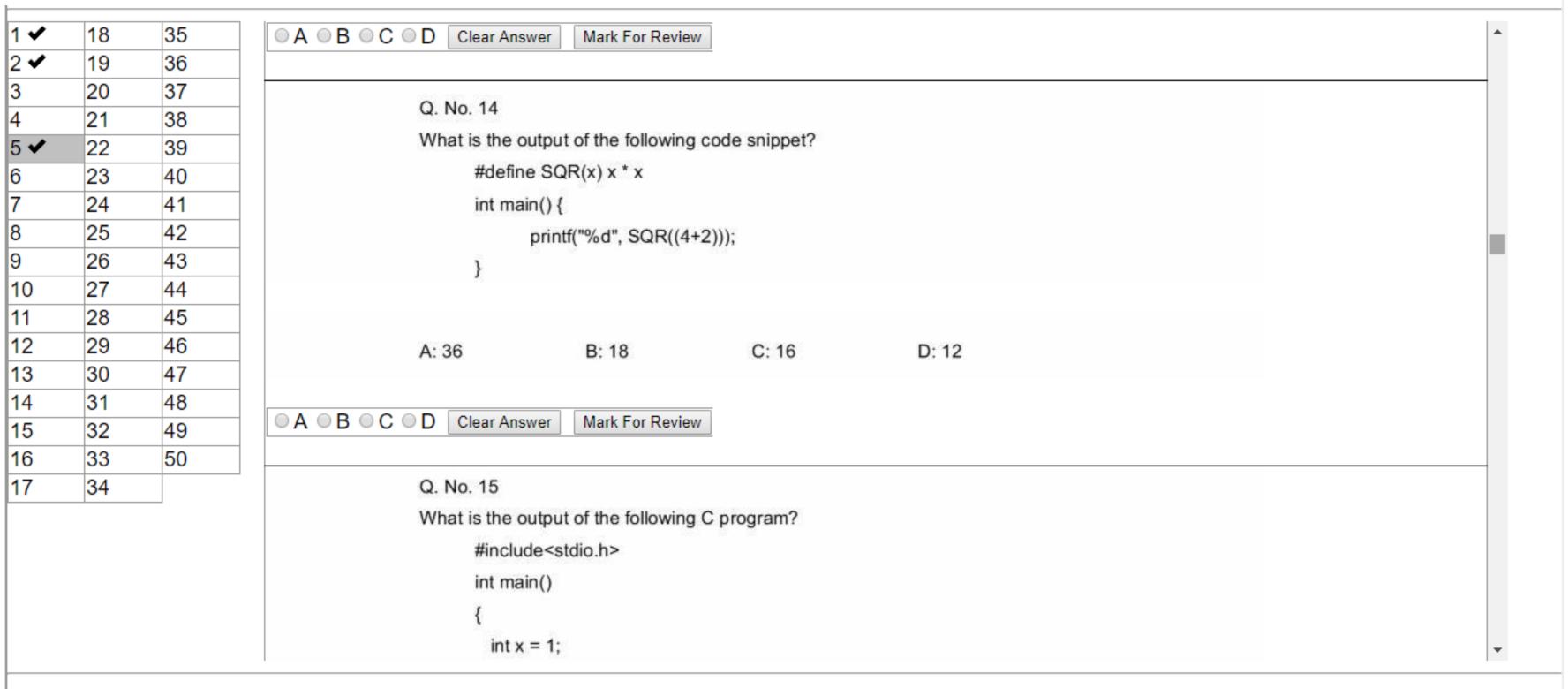


```
○ A ○ B ○ C ○ D Clear Answer
                                    Mark For Review
                Q. No. 12
                 What is the output for the following code snippet?
                       #include <stdio.h>
                       struct emp {
                             int age;
                              struct emp *ptr;
                       };
                       int main(){
                              struct emp var={24,NULL};
                              struct emp *ptr = &var;
                              ptr->ptr = ptr;
                              printf("%d %d", ptr->age,ptr->ptr->age);
                A: 24 24
                                           B: 0 0
                 C: NULL NULL
                                           D: Undefined behaviour (Runtime error)
```

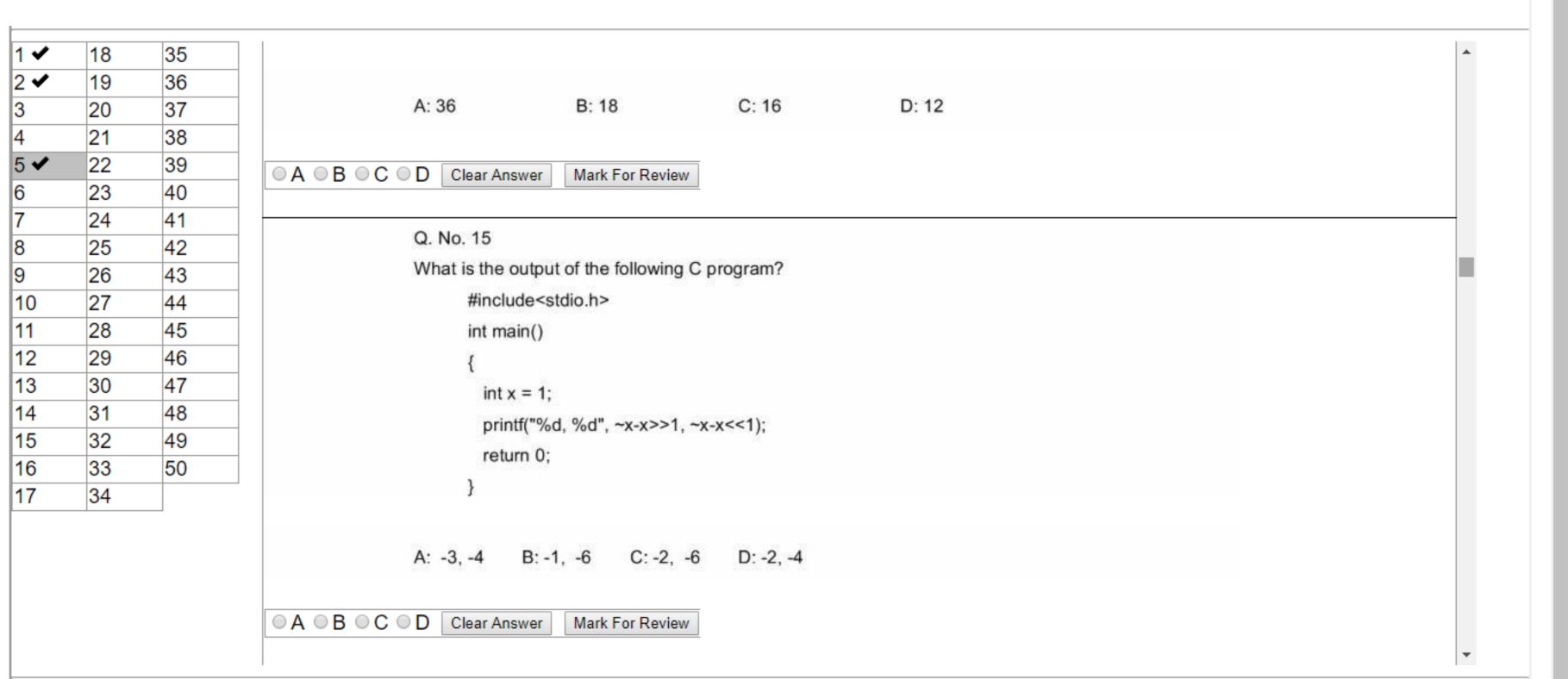
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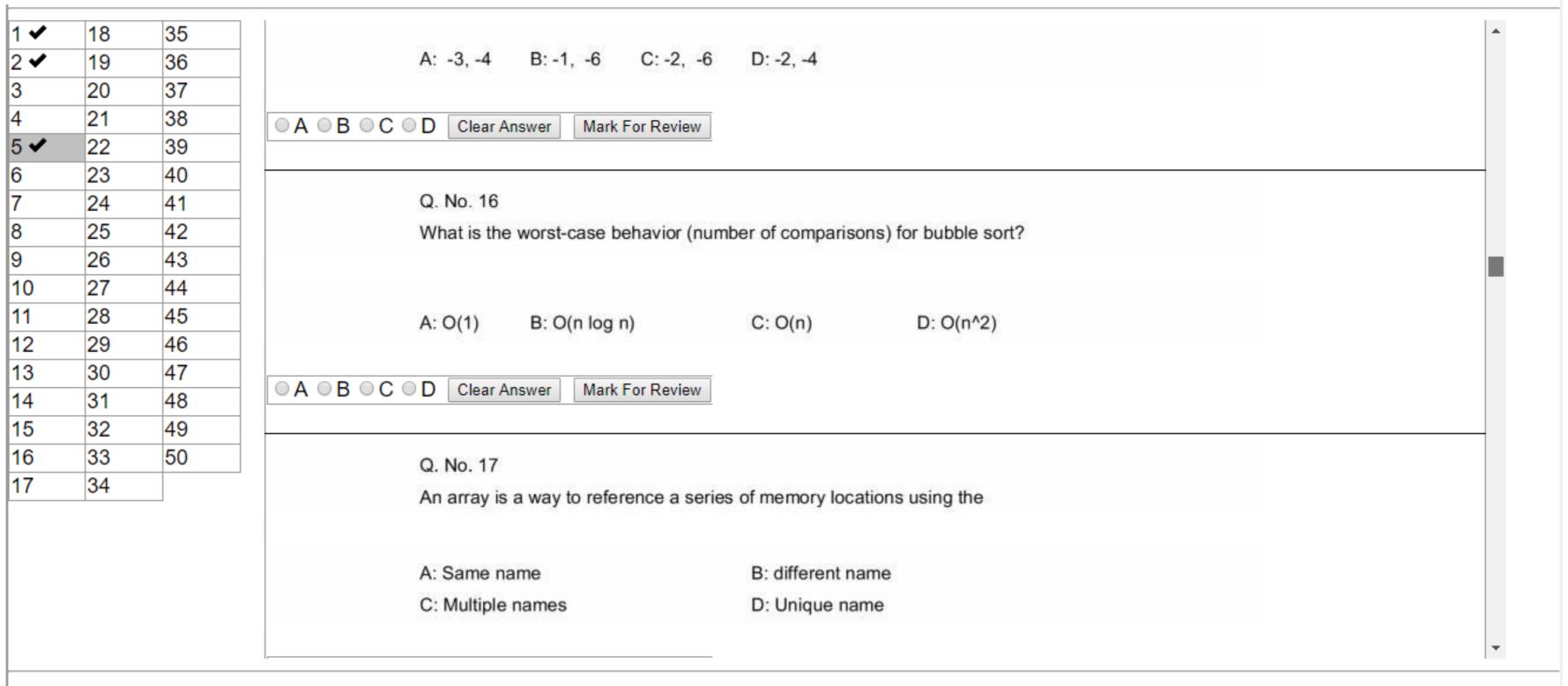
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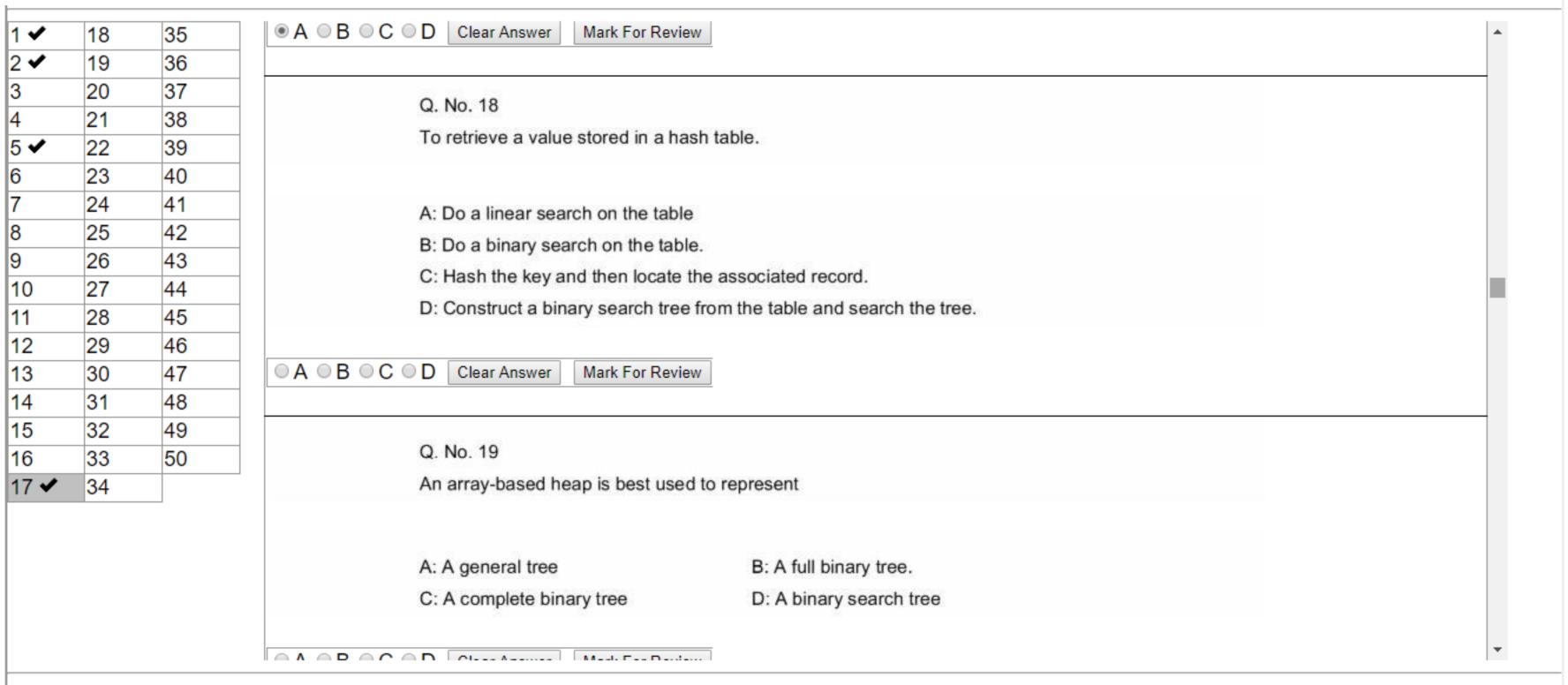
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○ A ○ B ○ C ○ D Clear Answer
                                   Mark For Review
                Q. No. 13
                Consider the definition of the following UNION.
                             int main () {
                                    union Test{
                                          unsigned short int si;
                                          unsigned char ch[2];
                                    union Test var = {257};
                                    printf("%d %d %d", var.ch[0],var.ch[1], var.si);
                       What is the output?
                A: Compilation Error
                                                 B: Garbage Value
                C: 1 1 257
                                                 D: 267 1 1
O A O B O C O D Clear Answer
                                   Mark For Review
```

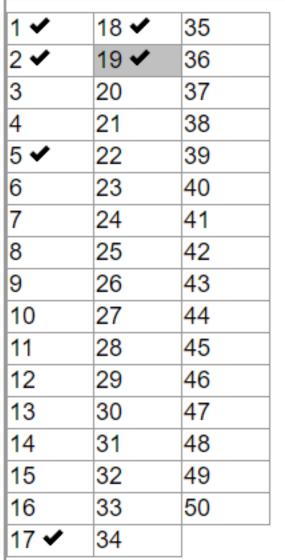


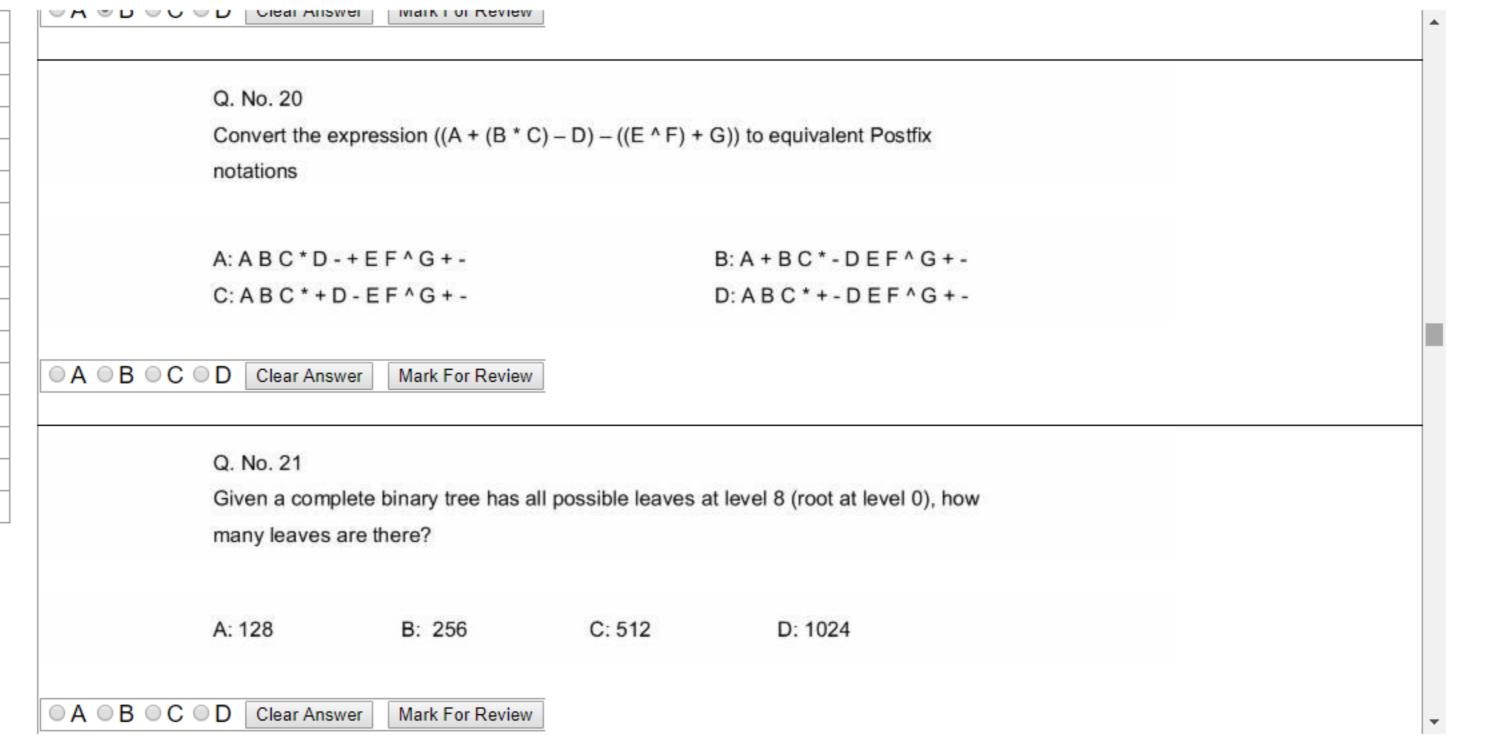
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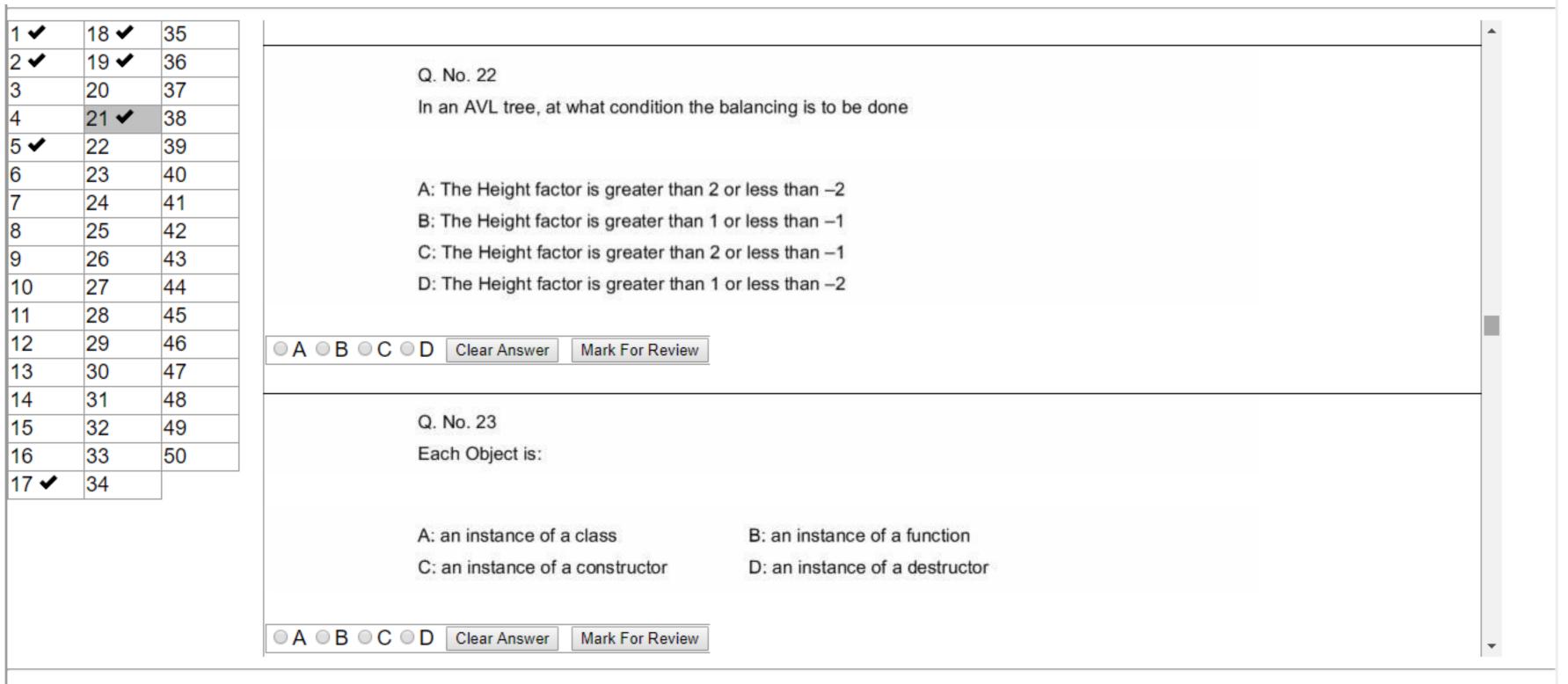


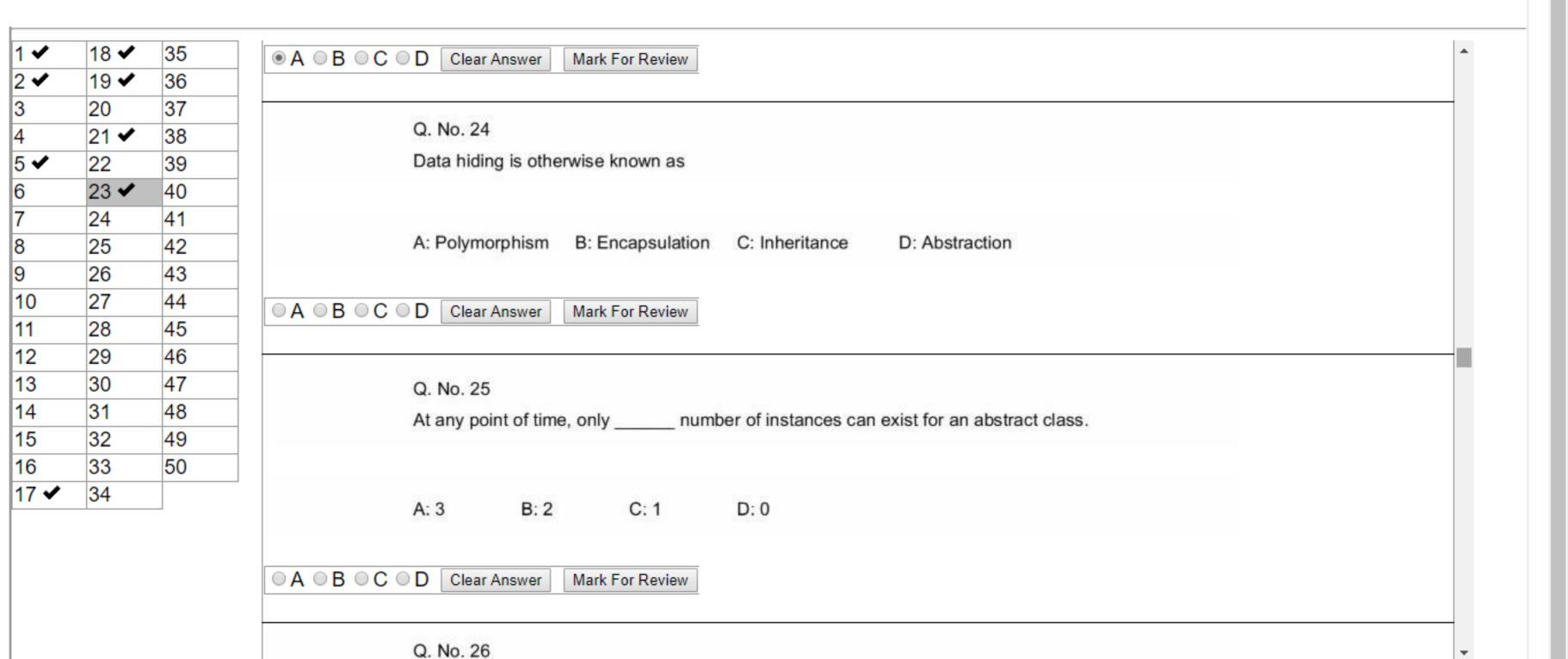


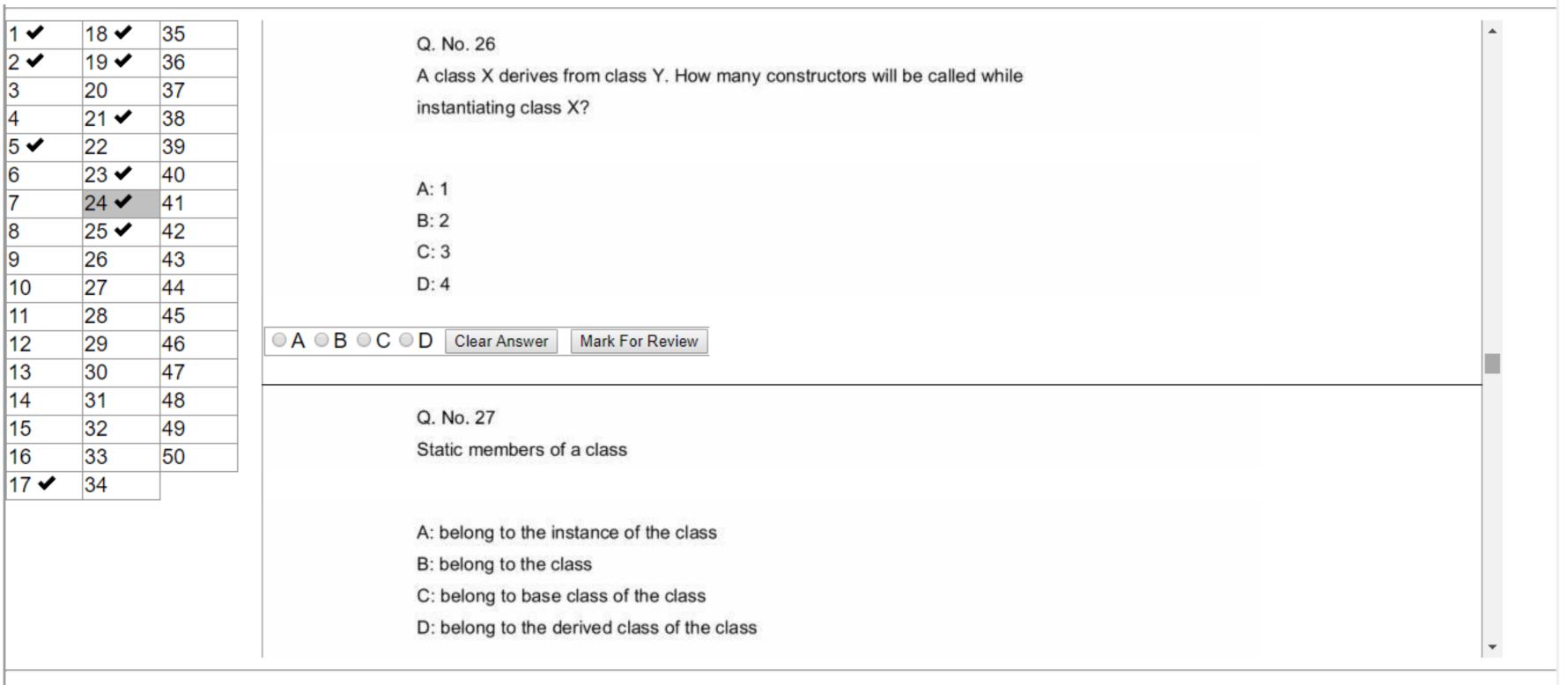








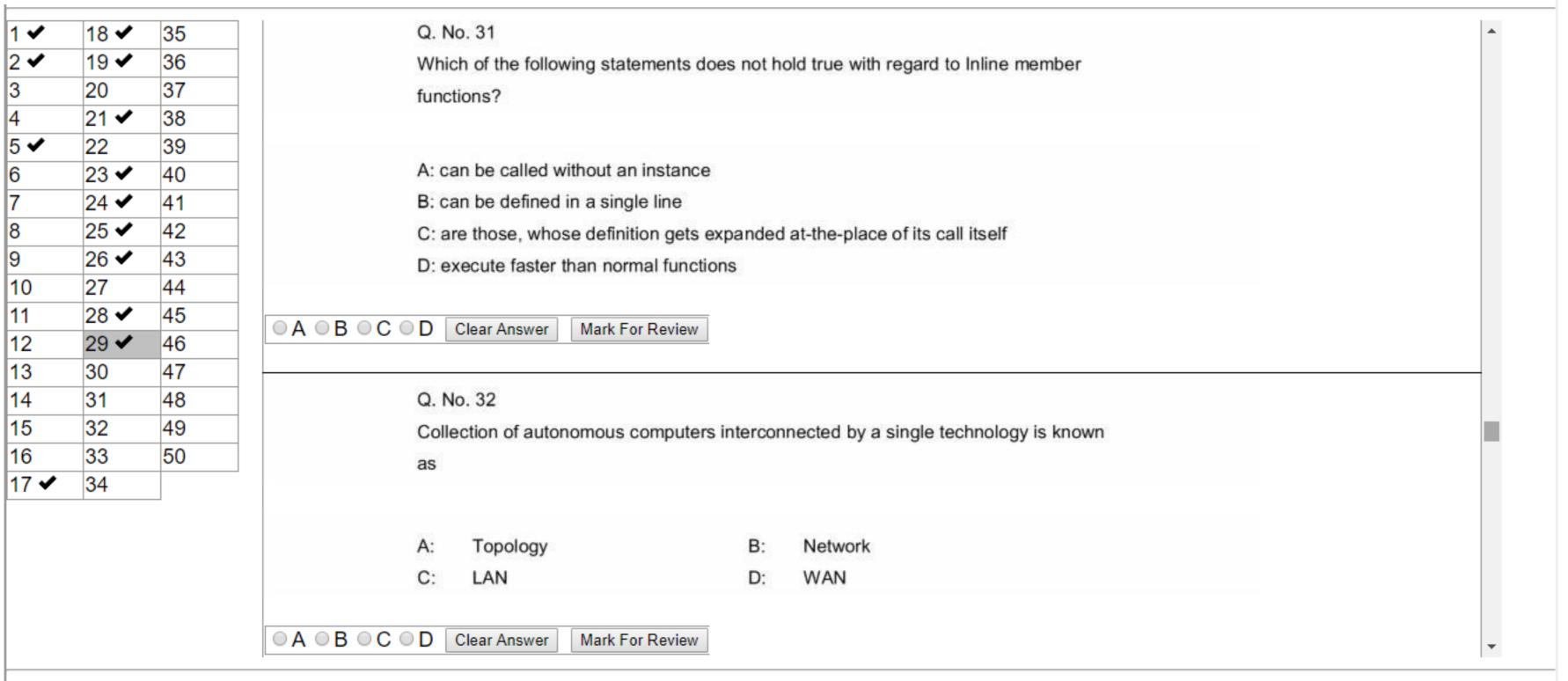


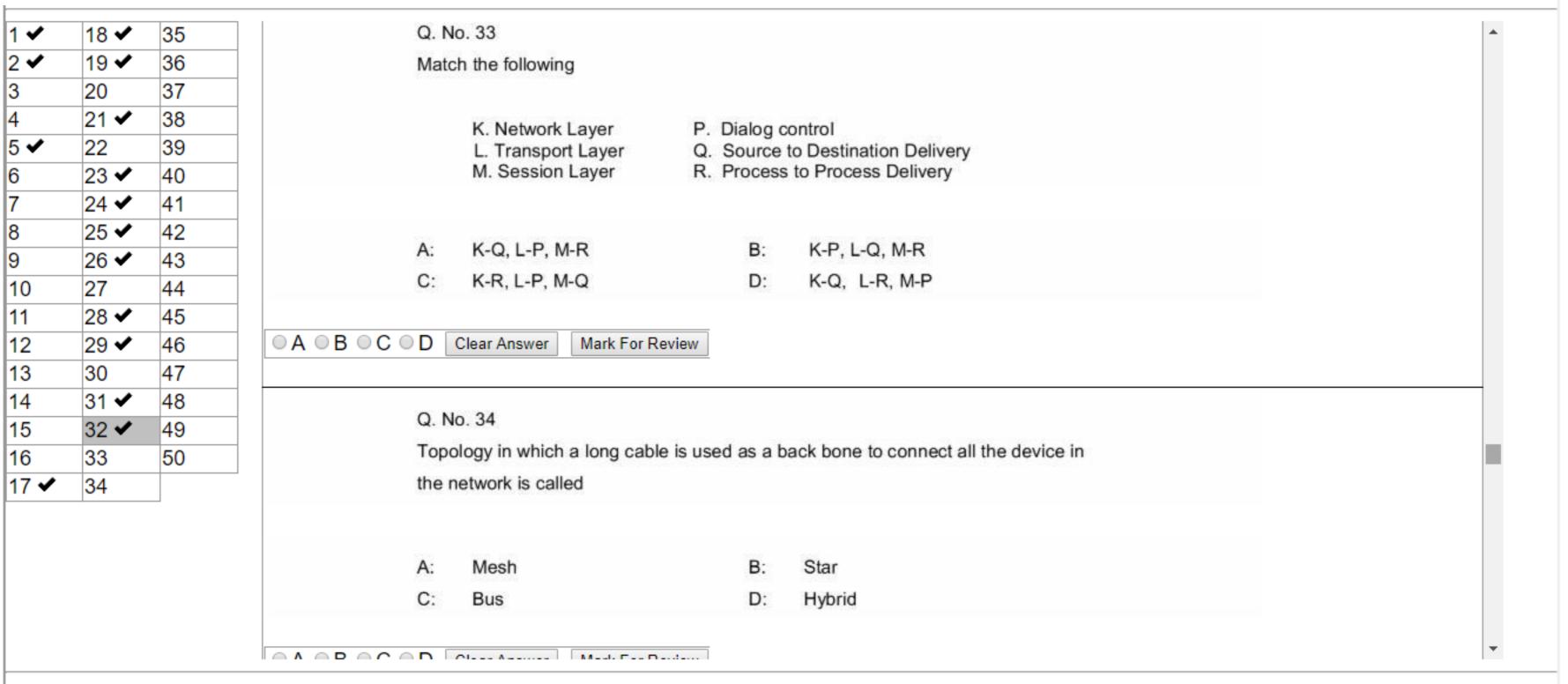


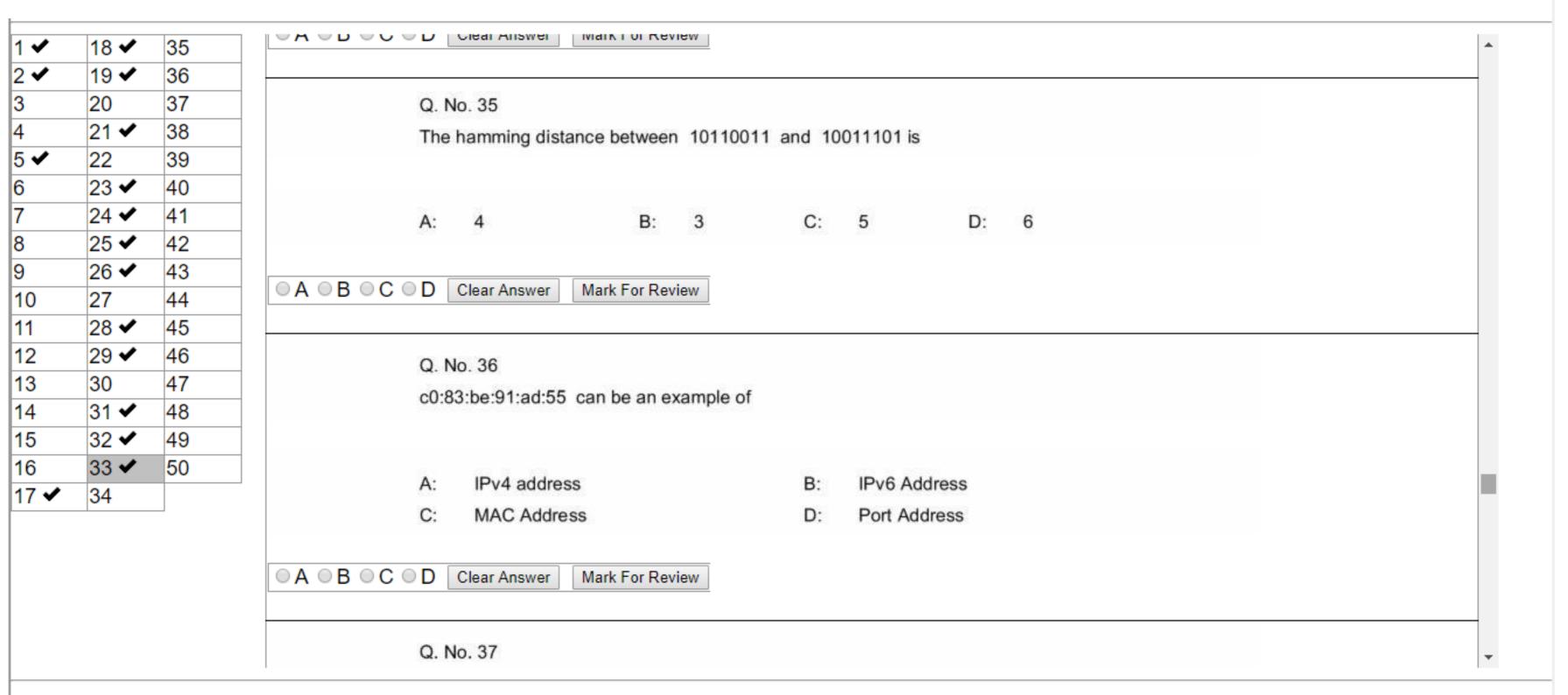


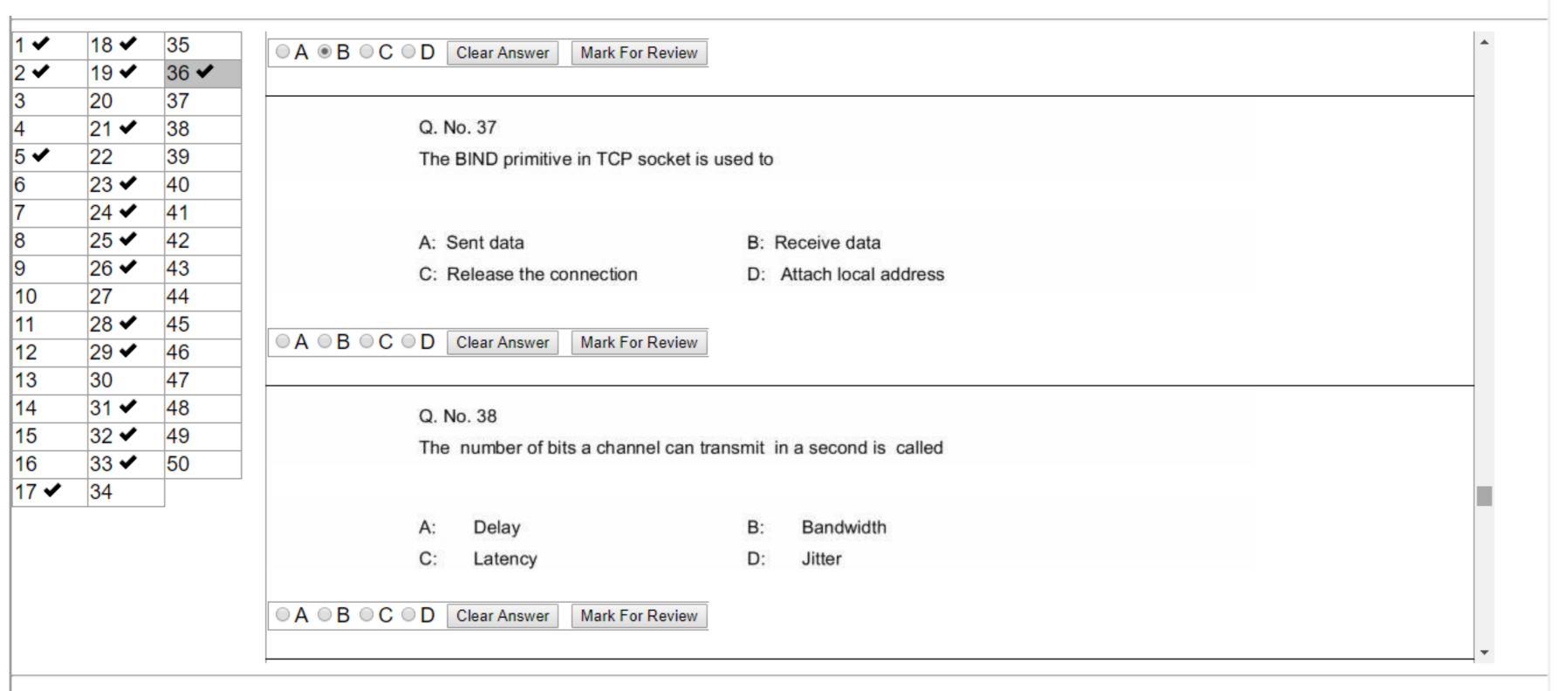
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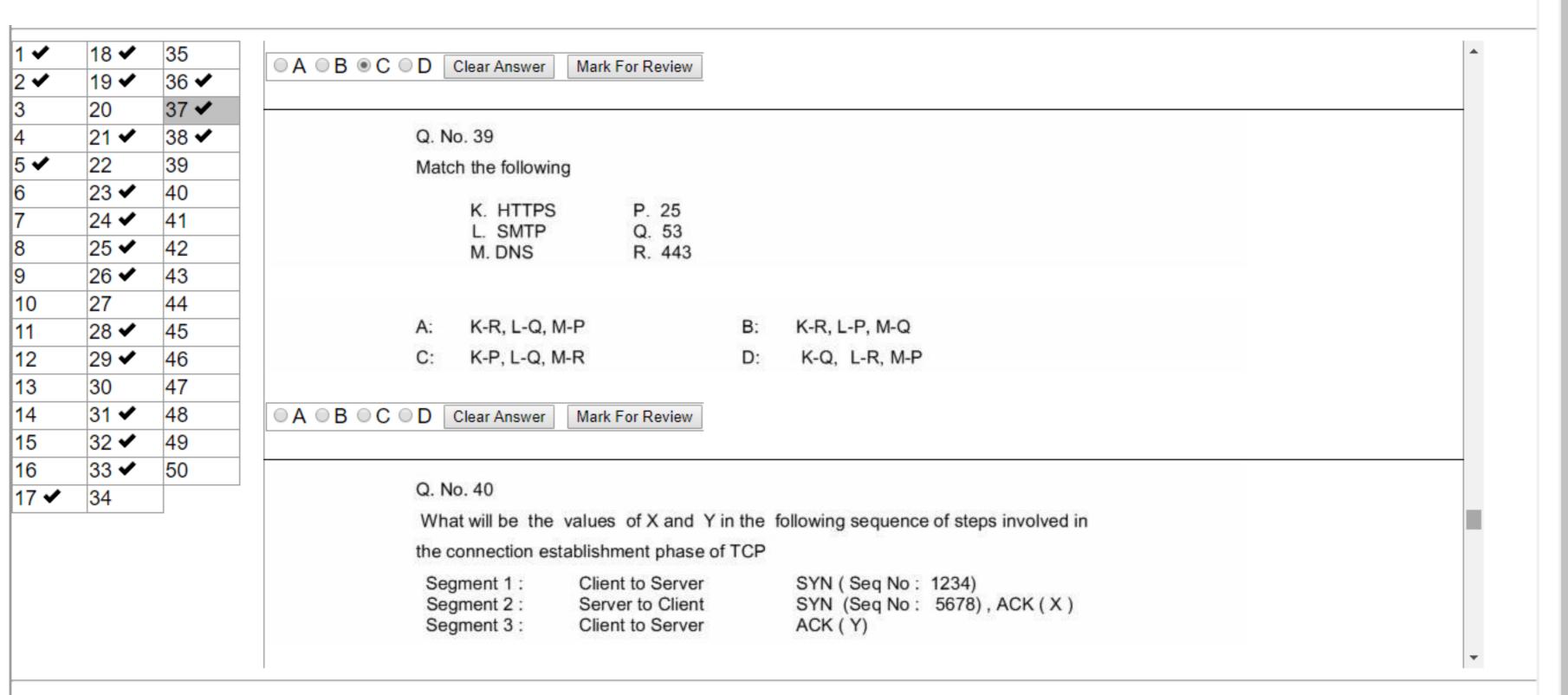
```
Q. No. 30
Which among the following statements is true with regard to this code:
class Base {
      int baseProperty;
      public : void protectMe() {
            cout << baseProperty;
class Derived: protected Base {
      int derivedProperty;
Base b;
Derived d;
b.protectMe();
d.protectMe();
A: Base class object can execute protectMe() method
B: Derived class object can execute protectMe() method
C: Both, Base class and Derived class can execute protectMe() method
D: Both Base class and Derived class cannot execute protectMe() method
```

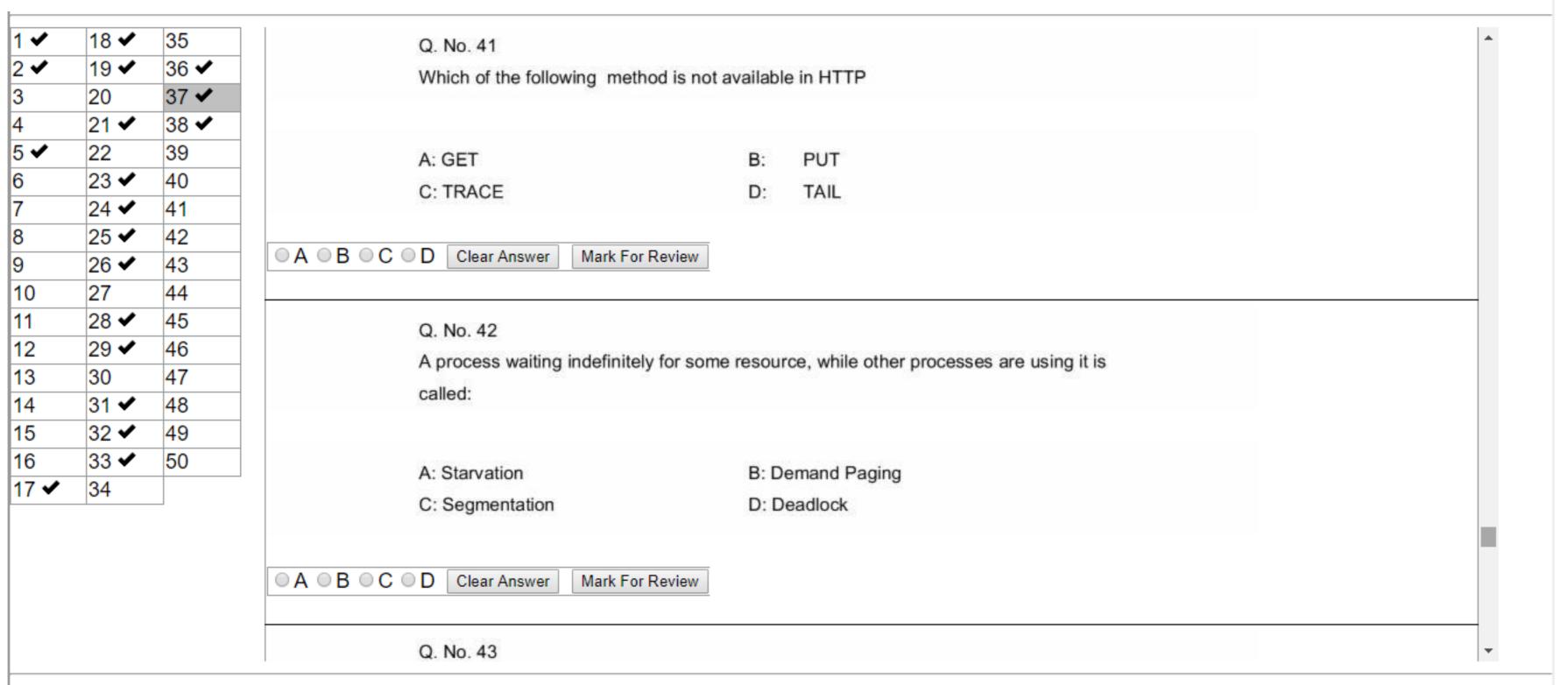


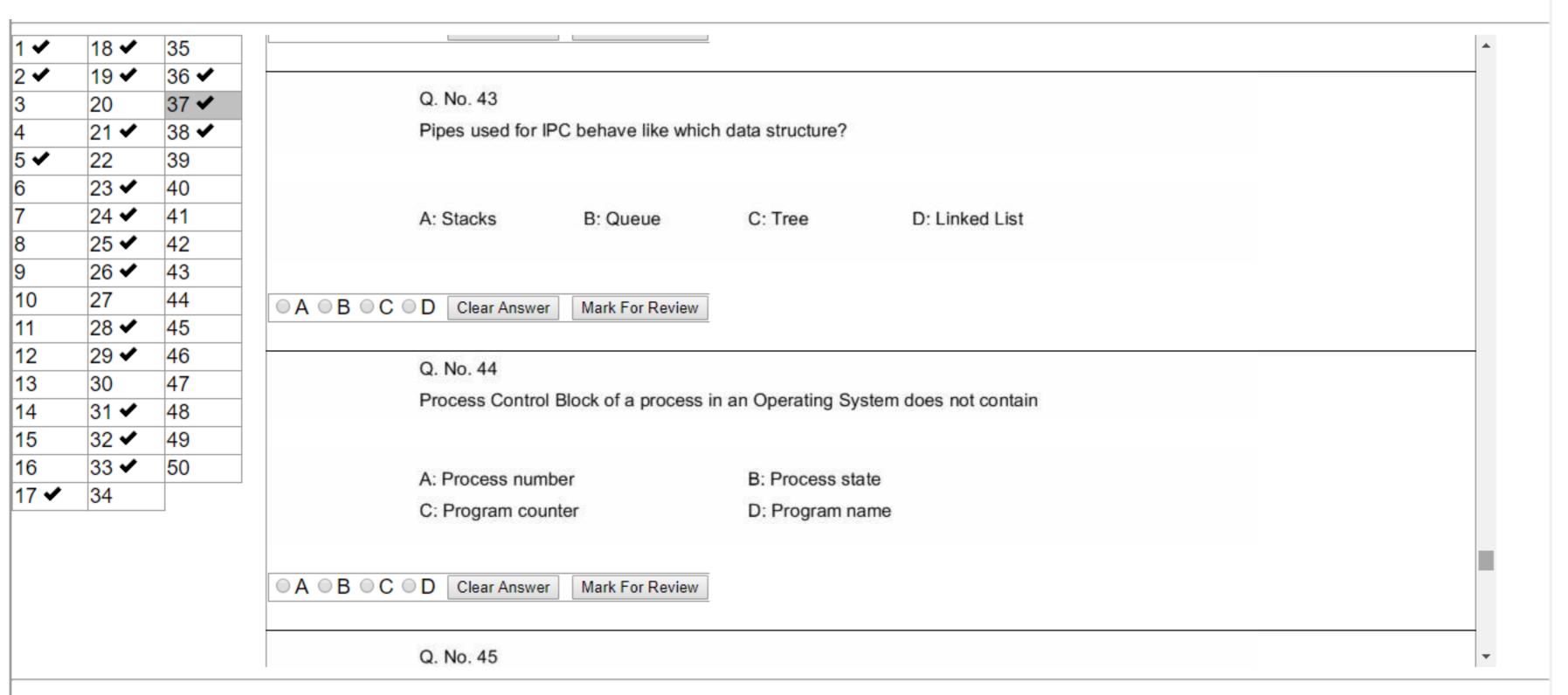


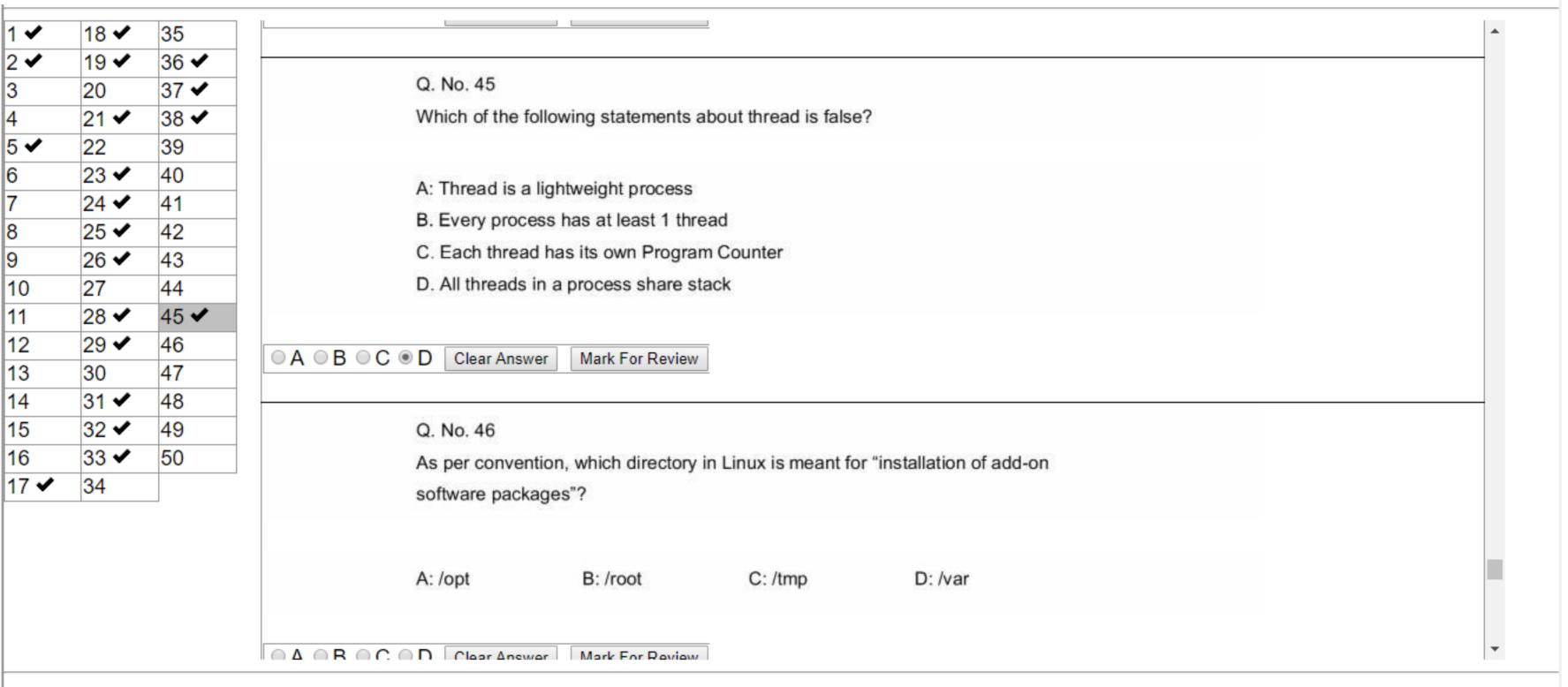


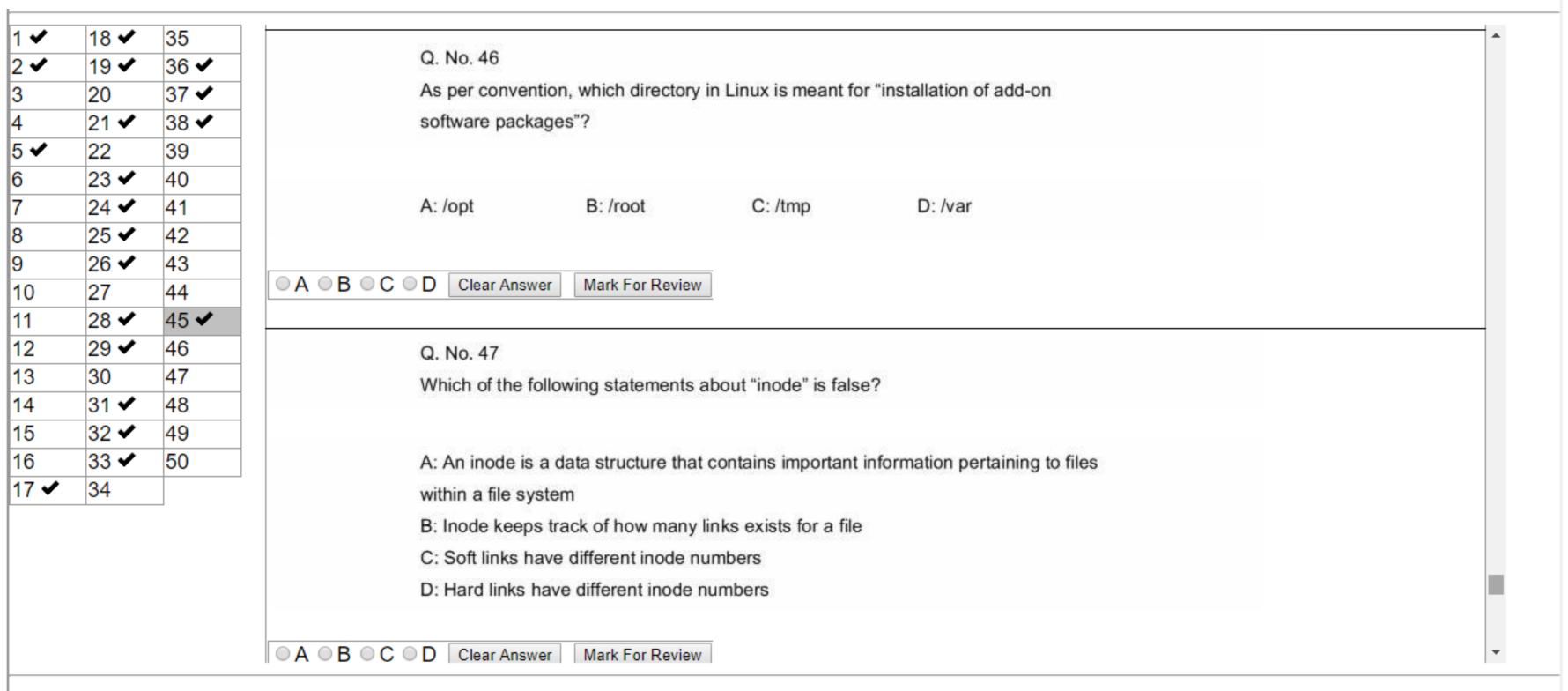


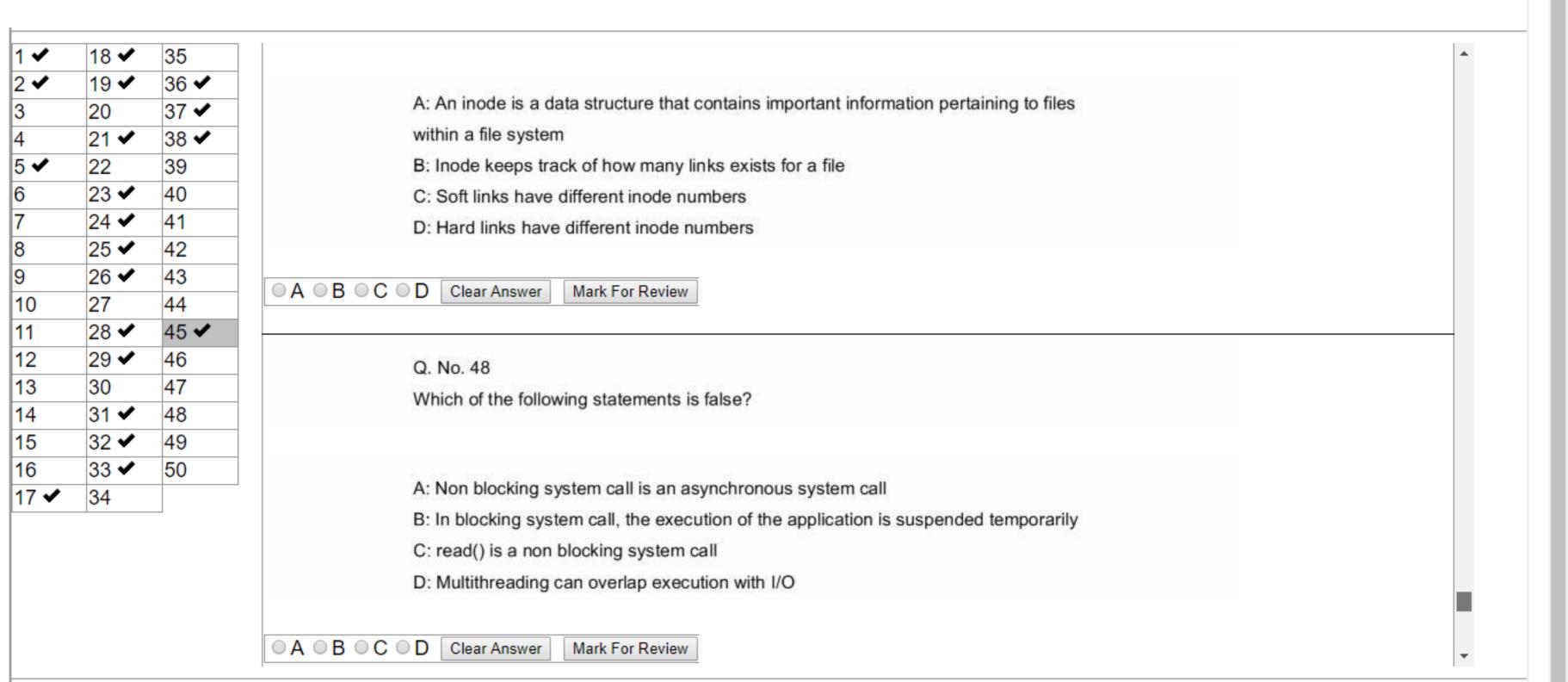


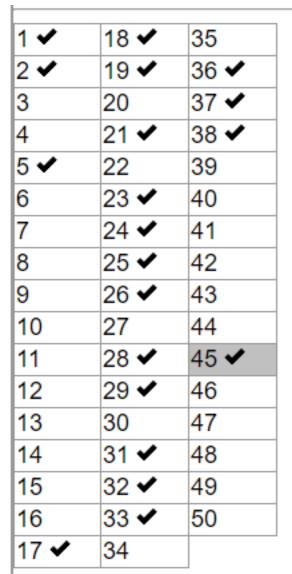




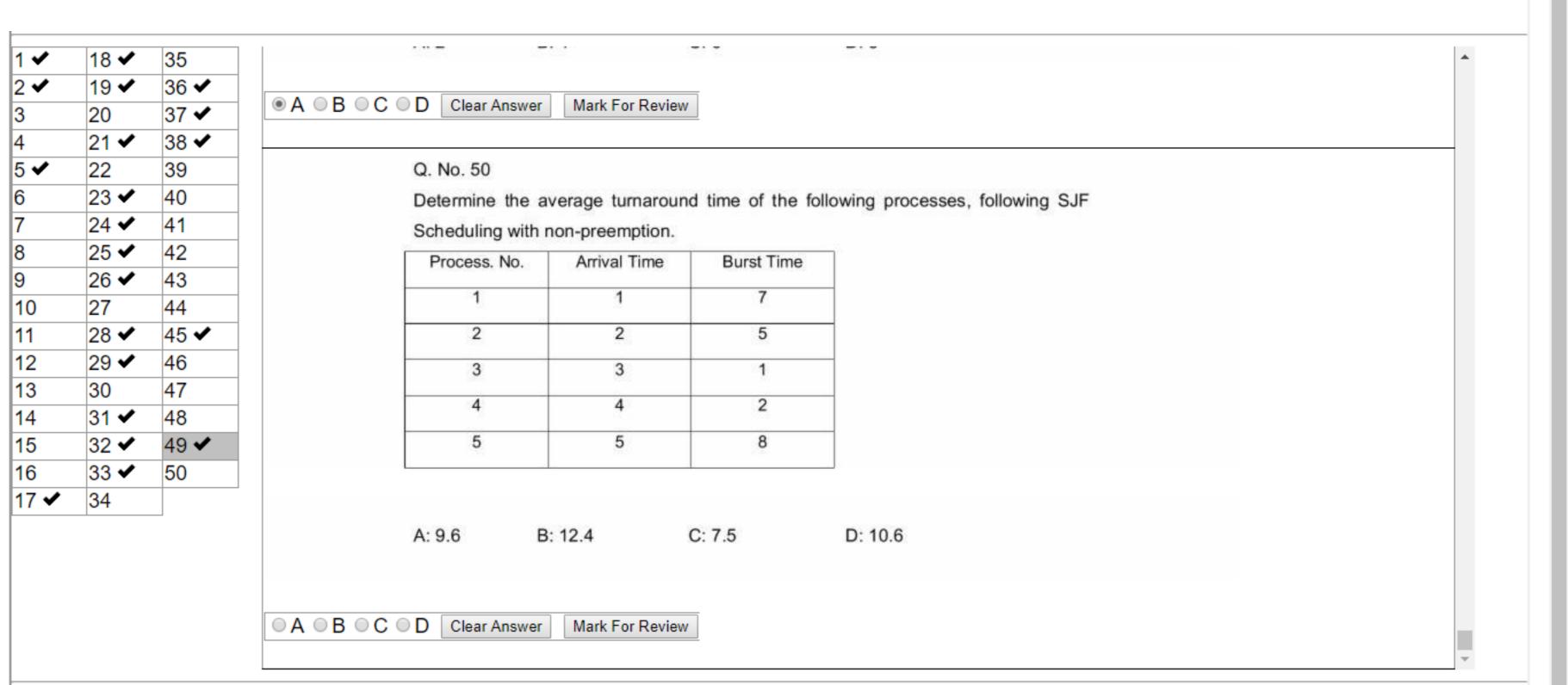








```
○ A ○ B ○ C ○ D Clear Answer
                                    Mark For Review
                 Q. No. 49
                 How many times will "Bye" be displayed if the following program is executed?
                 #include<stdio.h>
                 int main()
                     printf("Hello\n");
                     fork();
                      printf("World\n");
                     fork();
                     printf("Bye\n");
                     fork();
                A: 2
                               B: 4
                                                  C: 6
                                                                     D: 8
O A O B O C O D Clear Answer
                                    Mark For Review
```



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