

Quiz review

Started on	Friday, 23 February 2024, 10:46 PM
State	Finished
Completed on	Friday, 23 February 2024, 10:52 PM
Time taken	6 mins 38 secs
Marks	12.00/12.00
Grade	100.00 out of 100.00

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Question 1

Correct

Mark 11.00 out of 11.00

You are provided with a partial pseudocode for the below problem statement. Drag and Drop the options provided so that it will be the correct pseudocode.

Save Tweety

Silvester and Tweety are friends. Bender was one of the Silvester's enemy. One day Silvester and Tweety went on to a trip. Bender planned to kidnap Tweety.. He kidnapped and kept her in one of the hot balloons tied up to a height. There were 50 hot balloons numbered from one. Each balloon will fly to a certain height. Only the numbers having both 3 and 7 as its factors can fly up to the height of the Tweety's balloon. Silvester was confused and he didn't know which numbered balloon can fly to Tweety. (Note: If balloon number is greater than 50, or balloon number less than 1, then it should display invalid balloon number)

Eg: Balloon's number:

42

This balloon can fly to Tweety.

Eg:

Enter the Balloon's number:

24

This balloon cannot fly to Tweety.

Pseudocode :

BEGIN

DECLARE variable number

READ number

IF ☒ ☒ THEN

PRINT

```
PRINT ✓ "This balloon can fly to Tweety" ✓  
ELSE ✓  
  PRINT ✓ "This balloon cannot fly to Tweety" ✓  
END IF ✓  
END
```

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Question 2

Correct

Mark 1.00 out of
1.00

Choose the correct pseudocode for the below problem statement.

Problem Statement :

Hide and Seek

One day, Bunny and his friends were playing hide and seek in the forest. Tom went along to hide. He finds an abandoned bag containing a board(8x8) game in a cave. He gets excited and starts playing the game only to realize that it's magical. He has three chances to roll the dice. Each turn's outcome will lead into a new surrounding and some would be dangerous. If the outcome of rolling dices is in multiples of 3 then he will be caught in a dangerous phase.

Note if any one outcome is multiple of 3, then tom is in danger.

(If the outcome of rolling dices is either 0 or less than that you should tell Tom as "Invalid Turn".)

Example :

Enter value of turn 1

10

Enter value of turn 2

5

Enter value of turn 3

2

Tom is safe

Example :

Enter value of turn 1

12

Enter value of turn 2

5

Enter value of turn 3

2

Tom is in danger

- ☐ a. BEGIN
- DECLARE variables turn1,turn2,turn3
- READ turn1, turn2, turn3
- PRINT "Tom is in Danger"
- IF turn1>0 AND turn2>0 AND turn3>0 THEN
- ELSE
- PRINT "Tom is Safe"
- IF turn1%3==0 OR turn2%3==0 OR turn3%3==0 THEN
- END IF
- ELSE
- PRINT "Invalid turn"
- END IF
- END
- ☒ b. BEGIN
- DECLARE variables turn1,turn2,turn3
- READ turn1, turn2, turn3
- IF turn1>0 AND turn2>0 AND turn3>0 THEN
- IF turn1%3==0 OR turn2%3==0 OR turn3%3==0 THEN

PRINT "Tom is in Danger"

ELSE

PRINT "Tom is Safe"

END IF

ELSE

PRINT "Invalid turn"

END IF

END

☐ c.

BEGIN

READ turn1, turn2, turn3

DECLARE variables turn1,turn2,turn3

IF turn1>0 AND turn2>0 AND turn3>0 THEN

IF turn1%3==0 OR turn2%3==0 OR turn3%3==0 THEN

PRINT "Tom is in Danger"

ELSE

PRINT "Tom is Safe"

END IF

ELSE

PRINT "Invalid turn"

END IF

END

☐ d. BEGIN

```
DECLARE variables turn1,turn2,turn3  
READ turn1, turn2, turn3  
IF turn1>0 AND turn2>0 AND turn3>0 THEN  
ELSE  
  PRINT "Tom is Safe"  
IF turn1%3==0 OR turn2%3==0 OR turn3%3==0 THEN  
  PRINT "Tom is in Danger"  
END IF  
ELSE  
  PRINT "Invalid turn"  
END IF  
END
```

Your answer is correct.

The correct answer is:

```
BEGIN  
DECLARE variables turn1,turn2,turn3  
READ turn1, turn2, turn3  
IF turn1>0 AND turn2>0 AND turn3>0 THEN  
IF turn1%3==0 OR turn2%3==0 OR turn3%3==0 THEN
```

```
PRINT "Tom is in Danger"
```

```
ELSE
```

```
PRINT "Tom is Safe"
```

```
END IF
```

```
ELSE
```

```
    PRINT "Invalid turn"
```

```
END IF
```

```
END
```

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