

## Algorithm of Snake Run Game

Step 1:- Arrival of snake in the screen which can move vertically(up & down)

Step 2:- Generation of Blocks of variable strength at random locations(moving towards snake horizontally)

Step 3:-Generation Coins of variable strength at random location(moving towards snake horizontally)

Step 4:- While Coins move towards snake

    If (Snake catches the Coin )

{

    Strength of Snake increases

}

Else

{

    Strength of Snake remains at its previous value.

}

Step5:- While blocks moves towards snake

    If(Snake collide with block)

{

    Then strength of Snake will get effected

}

    If(strength of Snake > Block)

{

    Then strength of snake decrease by strength of block  
    and snake alive and game continues

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}  
Else if (strength of snake < strength of block)  
{  
Then snake dies and game over.  
}  
Else  
{  
Snake passes without colliding with the blocks and its  
strength remains as it is.  
}  
If (snake survives 100 coming blocks)  
{  
Then level completes ,Snake moves to next stage.  
}  
Else  
Game over  
}  
End.
```