

CS-152 PROJECT



By -

Karan Kumar (160050068)

Shantanu Kumar (160050069)

Pavan Bhargav (160050076)

DESCRIPTION :-

Dangerous Dave is an adventurous journey of Dave. He tries to reach the final level, passing through various levels, avoiding various obstacles like Fire, Water and Demons. Dave doesn't have the ability to fight with a Demon, but he can tactfully escape from them.

His journey is a conjuncture of shining Stars, bright Diamonds, magical Keys (which will allow him to pass through the levels), blazing Fires, rushing Waters, a Duck demon and a Fireball throwing Insect demon. Help him to achieve what he wants and take part in his amazing journey.

ABOUT THE CODE :-

We used vectors for creating visuals in the game. Some of the pre-defined image and sounds have been used, such that the compilation time is reduced. We have basically made a vector that contains the background, and the Dave is overlayed onto the image of the vector according to its position and certain restrictions. With every key-press or tick we have tasks to perform. For instance, set the elements of the vector (i.e. remove the coins, diamonds etc. from the vector), move the dave. Some actions take place on the tick of the clock, and some on key-press. Much of the description has been made in the code itself.

INPUTS AND OUTPUTS :-

Now you can guide Dave with the help of the Left, Right, Up arrow keys. You will be given only three lives to go through all the levels. He can only walk or jump from ground. Whenever he lands on Fire or Water he'll lose one life. He gets the score according to the number of stars and diamonds he collects. For opening the Door you have to first get the key.

LIMITATIONS :-

The speed of execution of the program is not quite satisfactory. Also the execution of the UP key command, i.e., the jump, is not satisfactory. While going up during the jump, it does not move left or right, while it does so when coming down.