PARSHVANATH CHARITABLE TRUST'S
A.P. SHAH INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Data Science

Raining Animation

Group No. 9

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Project Guide

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1. Introduction

- A graphic program is designed which includes a Man, Cloud, Rain and Umbrella that are made with the application of Graphics codes.
- The observer sees a man with umbrella across a plane while its raining until any key is pressed.
- Different methods are performed in order to make it more applied and efficient.
- We used graphics programming for developing our projects, for designing, animation etc.

2. Objectives

- To implement the features of graphics
- To interface the applications of graphics to the real world
- To become familiarization with Graphics and its logical coding

3. Feature

- It is a Simpler and familiar concept of graphics programming
- It conveys the exact information to the observer
- Many graphic functions are coded on its header file <graphics.h>
- This program initializes graphics mode and then closes it after a key is pressed

4. Built in functions used

1. **Line function:**

Line function is used to draw a line from a point(x1,y1) to point(x2,y2) i.e.(x1,y1) and(x2,y2) are end points of the line.
Declaration: - void line (int x1, int y1, int x2, int y2);

2. **Circle function:**

Circle function is used to draw a circle with center (x, y) and third parameter specifies the radius of the circle.
Declaration: - void circle (int x, int y, int radius);

3. Setcolor function:

In Turbo Graphics each color is assigned a number. Total 16 colors are available. Strictly speaking number of available colors depends on current graphics mode and driver. Default drawing color is WHITE.
Declaration: - void setcolor (int color);

4. Putpixel function:

Putpixel function plots a pixel at location (x, y) of specified color.
Declaration: - void putpixel (int x, int y, int color);

5. Setfillstyle function:

Setfillstyle function sets the current fill pattern and fill color.
Declaration: - void setfillstyle (int pattern, int color);

6. Kbhit function:

It is present in conio.h and used to determine if a key has been pressed or not.

Declaration: - kbhit();

7. Delay function:

It is used to suspend execution of a program for particular period of time

Declaration: - delay(10);

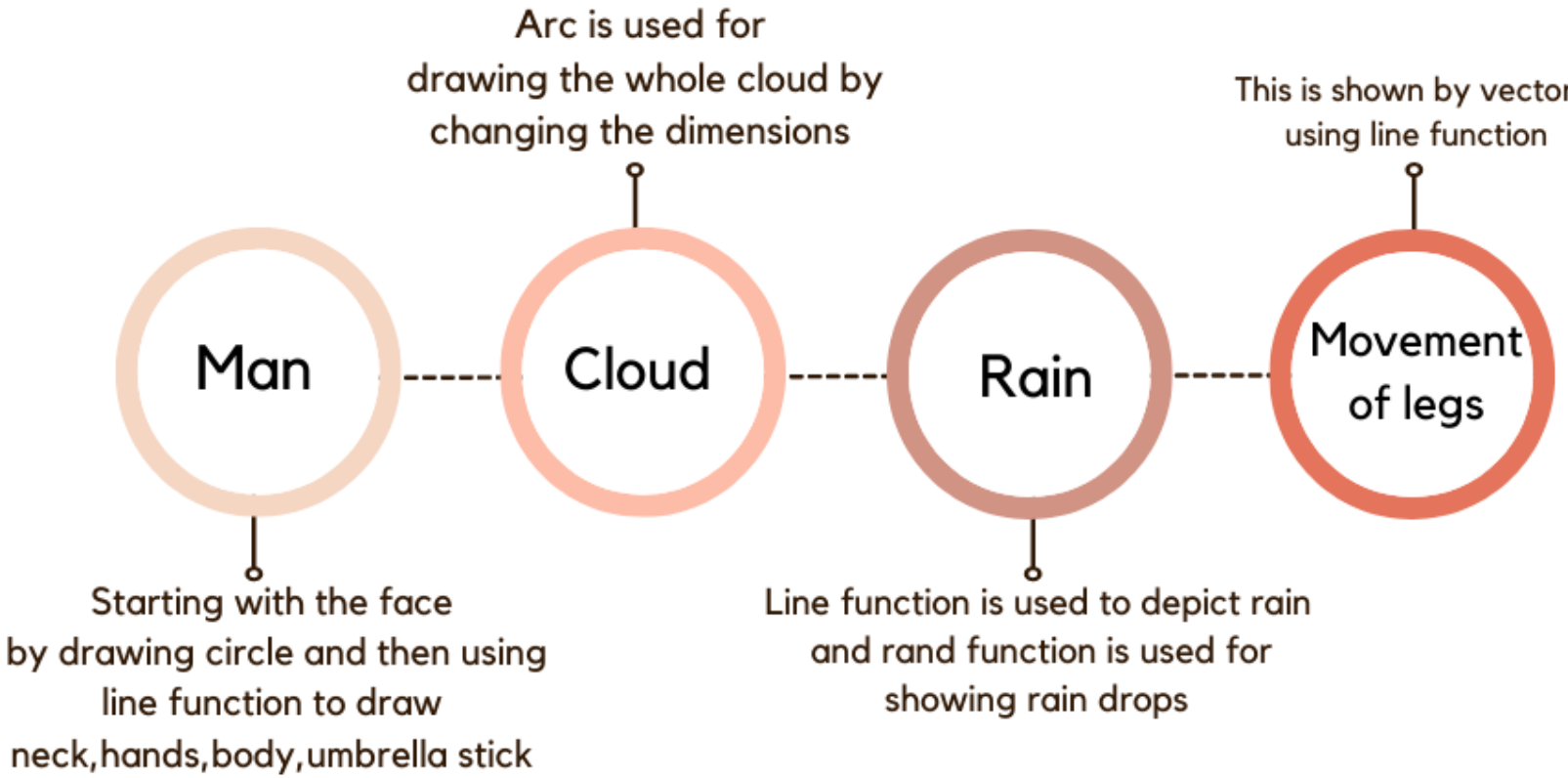
8. Clrscr function:

The command clrscr() clears the screen.

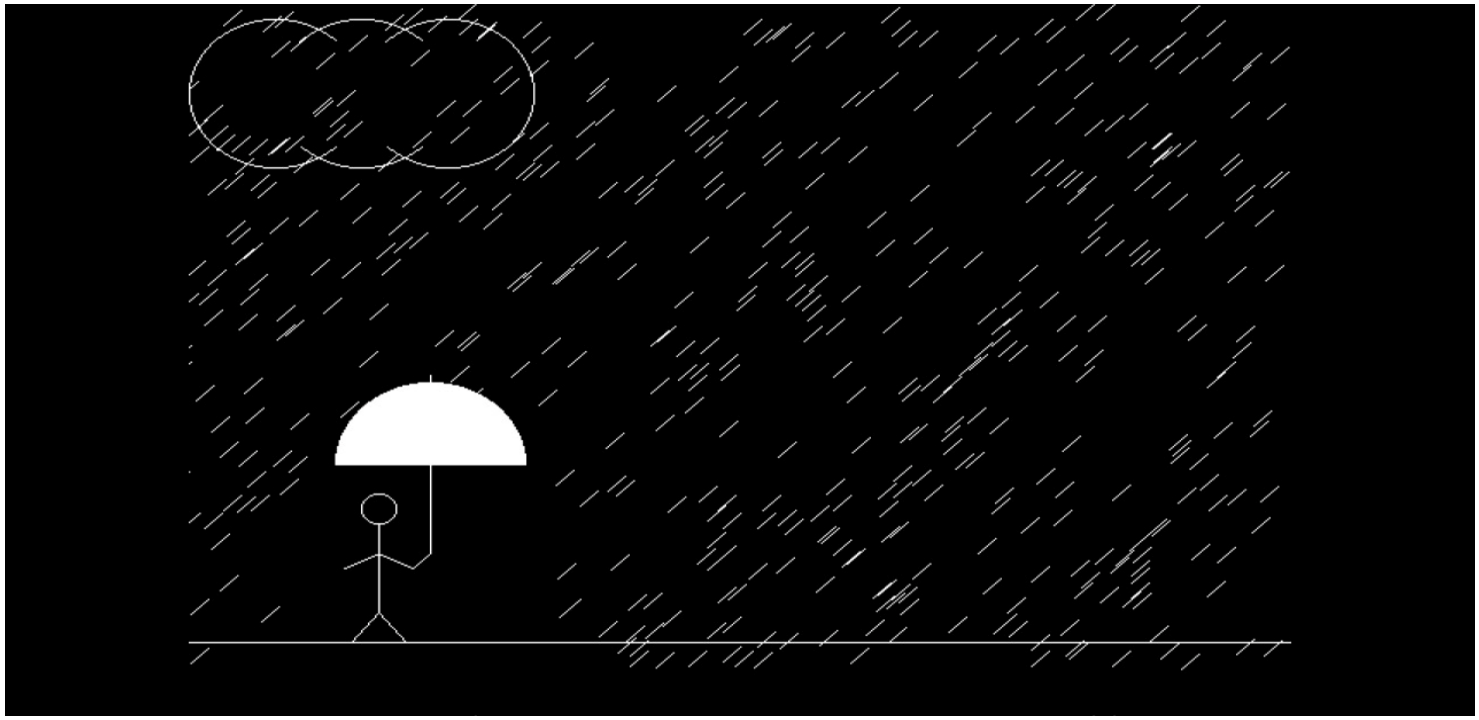
9. Getch function:

getch() function holds the output screen until a key is pressed

Block Diagram/ Flow diagram



5. Output of Project



Thank You...!!