C Graphics Function Brief Descriptions for C Graphics

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graphics.h function putpixel()

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Syntax:

```
void putpixel(int x, int y, enum color);
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This function will put a pixel at the given coordinates by the color specified.

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graphics.h function putpixel()

Syntax:

```
void putpixel(int x, int y, enum color);
```

This function will put a pixel at the given coordinates by the color specified. Now, take a color form the *enum* list.

```
enum colors { BLACK, BLUE, GREEN, CYAN, RED, MAGENTA,
BROWN, LIGHTGRAY, DARKGRAY, LIGHTBLUE, LIGHTGREEN,
LIGHTCYAN, LIGHTRED, LIGHTMAGENTA, YELLOW, WHITE };
```

The delay() function

No subtitle

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The delay() function

No subtitle

Syntax:

```
void delay(int milisecond);
```

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The delay() function No subtitle

Syntax:

```
void delay(int milisecond);
```

Description

Delay/Pause program for miliseconds. (1000/1k miliseconds = 1 second)

Draw a line using putpixel function: Animated

No subtitle

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```
void drawAnimatedLine()
{
   int start, end;
   printf("Starting point: ");
   scanf("%d", &start);
   printf("Ending point: ");
   scanf("%d", &end);
   while (start <= end)
   {
     putpixel(start++, 250, GREEN);
     delay(5);
   }
}</pre>
```

Listing 2: Animated Line

Rectangle Anime

Drawing an rectangle by putpixel() and delay() function

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Rectangle Anime

Drawing an rectangle by putpixel() and delay() function

```
void drawAnimatedRectangleFromMid() {
    int midX, midY, totalHeight, totalWidth, i, j;
    printf("Mid point-X: "); scanf("%d", &midX);
    printf("Mid point-Y: "); scanf("%d", &midY);
    printf("Total Width: "); scanf("%d", &totalWidth);
    printf("Total Height: "); scanf("%d", &totalHeight);
    // Drawing up line.
    i = midX, j = midX;
    while (i \ge midX - totalWidth / 2) {
        putpixel(i--, midY, GREEN); putpixel(j++, midY, GREEN);
        delay (9);
    i = midY, j = midY;
    while (i <= midY + totalHeight) {
        putpixel(midX - totalWidth / 2, i++, GREEN); putpixel(midX + totalWidth / 2, j++, GREEN);
        delay (9):
    // Drawing bottom line.
    i = midX - totalWidth / 2. i = midX + totalWidth / 2:
    while (i \le midX) {
        putpixel(i++, midY + totalHeight, GREEN); putpixel(i--, midY + totalHeight, GREEN);
        delay (9):
    /* Over */
```

graphics.h function line()

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graphics.h function line()

Syntax:

```
void line(int x1, int y1, int x2, int y2);
```

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graphics.h function line()

Syntax:

```
void line(int x1, int y1, int x2, int y2);
```

Description

Will draw a straight line from (x1, y1) to (x2, y2).

graphics.h function setcolor()

graphics.h function setcolor()

Syntax:

```
void setcolor(enum color);
```

graphics.h function setcolor()

Syntax:

void setcolor(enum color);

Description

After this statement, all graphical elements will be colored as defined in the function.

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graphics.h function rectangle()

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graphics.h function rectangle()

Syntax:

```
void rectangle(int left, int top, int right, int bottom);
```

graphics.h function rectangle()

Syntax:

```
void rectangle(int left, int top, int right, int bottom);
```

Description

Give the coordinate of top-left(left, top) and bottom-right(right, bottom) corner. Then a rectangle will be created.

Draw Rectangle Shape Bar

Animated Rectangle Bar

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```
void barTypeRectangleAnimated()
    int left, top, right, bottom;
    printf("Left: "):
    scanf("%d", &left);
    printf("Top: ");
    scanf("%d", &top);
    printf("Right: ");
    scanf("%d", &right);
    printf("Bottom: ");
    scanf("%d", &bottom);
    while (left < right - 5 && top < bottom - 5)
        rectangle(left++, top++, right--, bottom--);
        delay (9);
```

Listing 4: Filling a rectangle with rectangle

Any Font Size Still not arrived!

Description

You can give any size of a font as you want by using *anyfontsize* package. And then the command.

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