NAME - GAURAN BISHT

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SUBJECT - COMPUTER GRAPHICS

SUBJECT Code - PBC 602

SECTION - A

COURSE - BCA

```
= include Catalions
It include apopulations
    int main ()
     (over tout )vous this
           otation non 209 non -0.5 ? non +0.5.
        int x1 = 100, 22 = 250, 91=100, 92 = 250, Aleh,
         ive god : DETECT, gm;
         float x, y, m;
          int dx = x2-x1;
            ing da = 23. 21 :
             m = dyldz ;
              if ( in x >qi)
                 Atch = dy;
              interests (aga , 2gm, ");
               outliday (al, yl, A');
               ordled my (x2, y2, "6");
                addirect x1, y1, AED,
                 72- x1, 4:41
```

```
while step >0)
    if(m21)
         2= 241;
      ul(2=1)
          x= x+ 11m
           y=y+1;
        Ruthixel (swor(x), swor(y), RED);
            steh --;
        getch ()
          suturn 0;
```

-ALGORITM OF DDA

Steh 1 Start

step 2 Read the values of x1, y1, y6, xc

Stips Calculate DX, Dy and M from thegiven input. We know that the slope of a stewards line on is given as

These paer ameteries are calculated us

· DX = Xn Xo

Dy = yn-yo

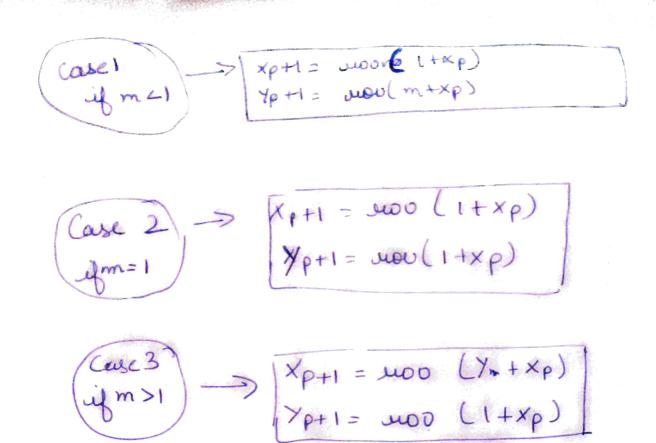
· m = Dy/Dr => m = yn-yo

steps (calculate the no. of steps on points in between the extension and ending coodinates if (woo (dx) > wood dy))

Aters = wee too); dx

steps = dy

etch 5. Suphose Calculate the next coordinates by checking following ares



eteps Kep suprating step 5 untill the end points (including the starting and ording points) equals to the ateh wont

stept Stop

