Name-Ratika Wisversity RonNo-1121109 Class RonNo-28

Course - BCA

SeM-6411

Jecty AN- B

Paper Name- Computer Geophics and an makon

Type of paper - Regular Endtern Practical



P3- Write an algorithm and bragment to implement Bresenham Circle · MAREROPIA Priemaria #include < quapher. h> # include < stellib.h > # include - Stdio. h> # include < como.n> # include < math - 4> void Plat (int xc, intyc, intx, inty) putpixel (x+xc, 9+4c, RED)-Putpixel (x + x c, -y+yc, 4ELLOW). Putpixel (->c + xc, -4+yc, G.REEN): Putpixel (->c +>cc, y+yc, 4ELLOW). Putpixel (y+xc, x+yc, 12). putpixel (y+xc,-x+yc,14): Putpicel [-y+xc,-x+yc,15). Putpixel (-y+xc,x+yc,6).

parky

void Bresenhameinel (int xc, int yc, intry) jour x=0,y=x,d=3-(24x), Plat (xc, yc, x,y); while (x <=y) 9=9+ (1*x)+6; else 1 d= d+ (4*x)- (4*y x=x+1; Plat (xc, yc, x,y); (bior) wien this int xc ,yc, x, gdriver = DETECT, 9 mode, evrorcedo;

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initgraph (sgdriver, sqmode, "C:11 TURBOC3 ~ BOI ") . errorcade = graphresult (); if (eurorisde ! = grok)] print (" Geaphies error: 201.27", quaphernormsq(ourorcade)); print (" Peress any Key to halt:"); getche); exit (1); print ("Enter the values of xc and yc :"); sland ("op dopod", 8 xc, 8 yc)printy ("Enter the Value of radius:"); scary ("ord", 8 x). Bresenhamicurele (xc, yc, s)gotch (5" dosequaph C) co newter Ratikg

Scanned with CamScanner

- Myperoply

step1: - 8tart

3tep2: Declare 1,9,1 x, y, se, d variables of the circle and it is the reading-

Steps; - Enter the value of r.

Stepy: - Calculate d= 3-29

3tep5: quitidize & ubs 4= 30

Step 6: Neck if the whole unde is scan converted if x>=>

stept:- Plat eight points by wing the centre is at (P/V). Convent active pixel is (x,y).

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putpixel (x+p, y+q)

putpixel (y+p, x+q)

putpixel (-y+p, x+q)

putpixel (-x+p, y+q)

putpixel (-x+p, y+q)

putpixel (-x+p, -y+q)

putpixel (y+p, -x+q)

putpixel (y+p, -x+q)

putpixel (x+p, -y-q)

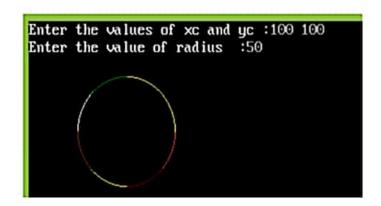
Step 8. Finding location of Next Pixels

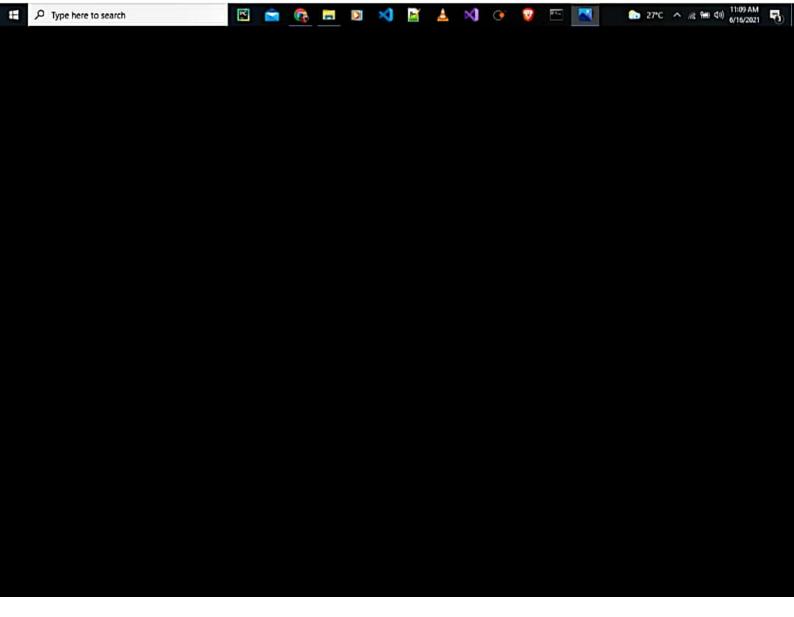
10 be evanued

11 dx 0

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