```
Name - Hassh kumas sharma
course - BCA
U-ROII No - 18211221
subject - computer graphics practical
see-A sem-6th
Ans -1 Algorithm
   stepl: start Algorithm
   step 2: Declare x,1, 1/2, x2, 1/2, dx, dy, x, y as integer
           variables.
step3: Exter value of x1, x1, x2, 1/2
 step4: calculate dx = x2-x,
 steps: calculate dy = y2-y,
  step 6: If ABC (dx) > ABS (dy)
          Then step = abs (dx)
           Else
   stept: xinc = dx/step
            yinc = dy/step
             assign X = X1
             assign Y = Y.
     step8: setpixel (x, y)
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```

```
Name - Harsh kumar starma
course - BCA
U-ROII NO - 1821121
subject - computer graphics practical
sec-A sem-6th
      step9' x = x + xinc
               7 = Y + Yinc
             set pixels (Round (x), Round (Y))
    steplo: Repeat step 9 vitil x = x2
     step 11: End Algorithm
PROGRAM:
              # include Lstdio. L>
              # include Lgraphics. h>
               int main ()
                 int sou (float num)
               return num <0? num - 0.5; num +0.5;
          int x1=100, x2=250, Y1=100, 12=250, Step;
           int gd = DETECTS canned By Scanner Go
```

```
Name - Harsh kumar sharma
course - Och
U-ROII NO - 18211221
subject - computer graphics practical
sec- A sem-6th
            float x, y, m :
            int dr = x2 - x1;
            intdy = 12-11,
             w = 9 / 9x;
             if (9x>dy)
                       step =dx',
             else
                    step = dy .
               initgraph ( $9d, 8gm:).
               OU * tex * * Y (x1, 11, 'A').
                out text xy (x2, 12. 'B').
                PUTPINEL (X1, +1, RED);
               X=X1, Y= Y1;
               while (step >0)
                  if (m<1)
                       X = X+1 -
                       A= A+w.
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```

```
Name - Hath kunat sharma
course - BCA
U-RON NO - 18211221
subject - computer graphics practical
sec-A sem-6th
               if(m>=1)
                putpixel (800 (x), 800 (y), RED);
               deturn D;
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```

```
Name - Harsh kumar starma
course - BCA
U-ROII NO - 18211221
subject - computed graphics paratical
sec-> sem-6th
ANS -03
     PROGRAM:
                 #include (stdio. h)
                 # include (graphics. h>
                 int main ()
                int gd = DETECT,gm;
                init graph (sgd, sgm");
                line (0,200, getmaxx(),200).
                line (0.360, getmaxx (), 360);
                set color (WHITE).
                rectargle (150,210,260,230).
                 floodfill (152,220, WHITE);
                rectargle (150,270,260,290),
                 flood fill (152,271, WHITE);
                  rectorgle (150,300, 260,320);
                  flood fill (152,301, WHITE).
                  rectargle (150, 330, 260, 350);
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```

```
Name - Harsh kumar sharma
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subject - computer graphics practical
sec- & sem-6th
           flood fill (152, 331, WHITE);
            setcolor (WHITE);
           rectargle (120,200, 145,130),
             rectargle (130, 130, 155, 70).
            Setcolog (RED).
            Circle (142, 82,6).
            floodfill (142,82, RED);
              set color (RED).
              circle (142, 82,6).
             flood set color (YELLOW).
                      cir cle (142, 100,6).
                    flood fill (142,100, 4 ELLOW).
                      setcolor (GREEN).
                        circle(142,118,6);
                       floodfill (143,118, GREEN);
                       sexcolor (WHITE).
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```

Name - Harsh Kumar starma course - Box U-Roll No - 18211221 subject - computer graphics practical sec- A sem-6th close graph (). returno. Scanned By Scanner Go

OUTPUT

