```
#include<graphics.h>
#include<conio.h>
#include<string>
int main()
{   // MOVING CYCLE PROGRAM WITH ARROW KEYS & CHANGING COLOURS WITH FUNCTION KEYS---



   // CONTROLS-
   // Cycle_color change- ('F1-F9' )
   // Cycle movements -( right arrow , left arrow )




   // Declaration
   int h=0,page=0;
   int circle1x = 100,circle2x =250;
   int  poly_upline=150,poly_lowerline=100,poly_leftline=100,poly_rightline=225;
   int handle_1=250,handle_2=225,handle_3 =200 ;
   int sheet_1=150,sheet_2=145;
   int speed =5;
   int n=0;
   int Cycle_Color=15;
```

```
// Creating Graphics Window
DWORD screenwidth=GetSystemMetrics(SM_CXSCREEN);
DWORD screenHeight=GetSystemMetrics(SM_CYSCREEN);
initwindow(screenwidth,screenHeight, "Cool Programming Projects",-3);

 char s[30]="Loading...";
while(1)
{



   if(n==0)
   {

      setcolor(WHITE);


      rectangle(550+25,320,700+25,340);



      for(int i=0; i<148; i++)
      {
         setcolor(GREEN);
         line(551+i+25,321,551+i+25,339);
```

```
        setcolor(WHITE);
        outtextxy(615,350,s);
        delay(10);

    }
}




if(n!=0)
{


    setactivepage(page);
    setvisualpage(1-page);
}
cleardevice();
setcolor(WHITE);

line(0,500,1400,500);

//cycle tires

setcolor(Cycle_Color);
```

```
circle(circle1x,450,50);    //first circle left side
circle(circle2x,450,50);    //second circle risht side


circle(circle1x,450,49);    //first circle left side
circle(circle2x,450,49);    //second circle risht side

 circle(circle1x,450,48);    //first circle left side
circle(circle2x,450,48);    //second circle risht side



//cycle polygon

line(poly_lowerline,450,poly_lowerline+75,450); //lower line of cycle
line(poly_leftline,450,poly_leftline+50,390); //left line of cycle
line(poly_upline,390,poly_upline+75,390); //upper line of cycle
line(poly_rightline,390,poly_rightline-50,450); //right line of cycle

 line(poly_lowerline,449,poly_lowerline+75,449); //lower line of cycle
line(poly_leftline+1,450,poly_leftline+50+1,390); //left line of cycle
line(poly_upline,391,poly_upline+75,391); //upper line of cycle
line(poly_rightline-1,390,poly_rightline-50-1,450); //right line of cycle
```

```
 line(poly_lowerline,448,poly_lowerline+75,448); //lower line of cycle
line(poly_leftline+2,450,poly_leftline+50+2,390); //left line of cycle
line(poly_upline,392,poly_upline+75,392); //upper line of cycle
line(poly_rightline-2,390,poly_rightline-50-2,450); //right line of cycle

//cycle handle

line(handle_1,450,handle_1-25,390);
line(handle_2,390,handle_2-25,340);
line(handle_3,340,handle_3-20,340);

line(handle_1-1,450,handle_1-26,390);
line(handle_2-1,390,handle_2-26,340);
line(handle_3,341,handle_3-20,341);

line(handle_1-2,450,handle_1-27,390);
line(handle_2-2,390,handle_2-27,340);
line(handle_3,342,handle_3-20,342);

//cycle sheet

line(sheet_1,390,sheet_1,380);
line(sheet_2,380,sheet_2+10,380);
```

```
line(sheet_1+1,390,sheet_1+1,380);
line(sheet_2,381,sheet_2+10,381);

line(sheet_1-1,390,sheet_1-1,380);
line(sheet_2,379,sheet_2+10,379);




if(n==0)
{


   setcolor(GREEN);

   settextstyle(0,HORIZ_DIR,2);
   outtextxy(440,570,"Press Any Key To Continue... ");
   getch();
   n++;

}
```

```
if(n==1)
{
 setcolor(RED);
 rectangle(550,570,600,620);
 rectangle(549,571,599,619);
 rectangle(548,572,598,618);
 setcolor(RED);
 line(560,595,590,595);
 line(560,595-1,590,595-1);
 line(560,595+1,590,595+1);
 int points[8]={560,595,570,590,570,600,560,595};
 setfillstyle(SOLID_FILL,RED);
 fillpoly(4,points);

 rectangle(720,570,770,620);
 rectangle(719,571,769,619);
 rectangle(718,572,768,621);

 line(730,595,760,595);
 line(730,595+1,760,595+1);
 line(730,595-1,760,595-1);
 int points2[8]={760,595,750,590,750,600,760,595};;
 fillpoly(4,points2);
```

```
}

if(GetAsyncKeyState(VK_LEFT))
{

   circle1x      -= speed ;
   circle2x      -= speed ;
   poly_upline    -= speed ;
   poly_lowerline -= speed ;
   poly_leftline  -= speed ;
   poly_rightline -= speed ;
   handle_1      -= speed ;
   handle_2      -= speed ;
   handle_3      -= speed ;
   sheet_1       -= speed ;
   sheet_2       -= speed  ;
}


if(GetAsyncKeyState(VK_RIGHT))
{
```

```
   circle1x      += speed ;
   circle2x      += speed ;
   poly_upline    += speed ;
   poly_lowerline += speed ;
   poly_leftline  += speed ;
   poly_rightline += speed ;
   handle_1      += speed ;
   handle_2      += speed ;
   handle_3      += speed ;
   sheet_1       += speed ;
   sheet_2       += speed  ;
}
if(GetAsyncKeyState(VK_F1))
{
    Cycle_Color=15;

            }
            if(GetAsyncKeyState(VK_F2))
            {
                    Cycle_Color=14;
            }
            if(GetAsyncKeyState(VK_F3))
            {
```

```
                    Cycle_Color=13;
                }
                if(GetAsyncKeyState(VK_F4))
                {
                    Cycle_Color=12;
                }
    if(GetAsyncKeyState(VK_F5))
    {
        Cycle_Color=11;
                }
                if(GetAsyncKeyState(VK_F6))
                Cycle_Color=10;
                if(GetAsyncKeyState(VK_F7))
                Cycle_Color=9;
                if(GetAsyncKeyState(VK_F8))
                Cycle_Color=3;
                if(GetAsyncKeyState(VK_F9))
                Cycle_Color=5;

    delay(10);
    page=1-page;
}

getch();
```

```
    closegraph();
    return 0;

}
```