

Component C. Personalized Project Reference.

Procedure:

i.

```
def drawHearts(x,y,choice):
    if (choice=='lightPink'):
        heart.add(Oval(x,y,30,20,fill=choice,border='hotPink',rotateAngle=-60))
        heart.add(Oval(x-10,y,30,20,fill=choice,border='hotPink',rotateAngle=60))
        heart.add(Circle(x-4,y+3,10,fill=choice))
    else:
        heart.add(Oval(x,y,30,20,fill=choice,border='cornflowerBlue',rotateAngle=-60))
        heart.add(Oval(x-10,y,30,20,fill=choice,border='cornflowerBlue',rotateAngle=60))
        heart.add(Circle(x-4,y+3,10,fill=choice))
    for h in heart.children:
        if (y<200):
            h.opacity=50
```

ii.

```
18
19 drawHearts(randrange(0,400), randrange (0,400), choice(app.color))
20 drawHearts(randrange(0,400), randrange (0,400), choice(app.color))
```

List:

i.

```
} app.background='thistle'
| heart=Group()
| app.color=['lightPink','lightSkyBlue']
```

ii.

```
18  
19 drawHearts(randrange(0,400), randrange (0,400), choice(app.color))  
20 drawHearts(randrange(0,400), randrange (0,400), choice(app.color))|
```