

# Programming Paradigms

## Class Activity #10

```
from tkinter import *

class Activity10():
    rectangle_width = 15
    rectangle_height = 15
    window_width = 400
    window_height = 300

    def __init__(self):
        self.root = Tk()
        self.canvas = Canvas(self.root, width=self.window_width, height=self.window_height)
        self.canvas.pack()
        # x0, y0, x1, y1
        x0 = self.window_width/2 - self.rectangle_width/2
        y0 = self.window_height/2 - self.rectangle_height/2
        x1 = x0 + self.rectangle_width
        y1 = y0 + self.rectangle_height
        self.rectangle = self.canvas.create_rectangle(x0,y0, x1, y1, fill="blue", width=0)
        self.root.mainloop()

def main():
    app = Activity10()
if __name__ == '__main__':
    main()
```