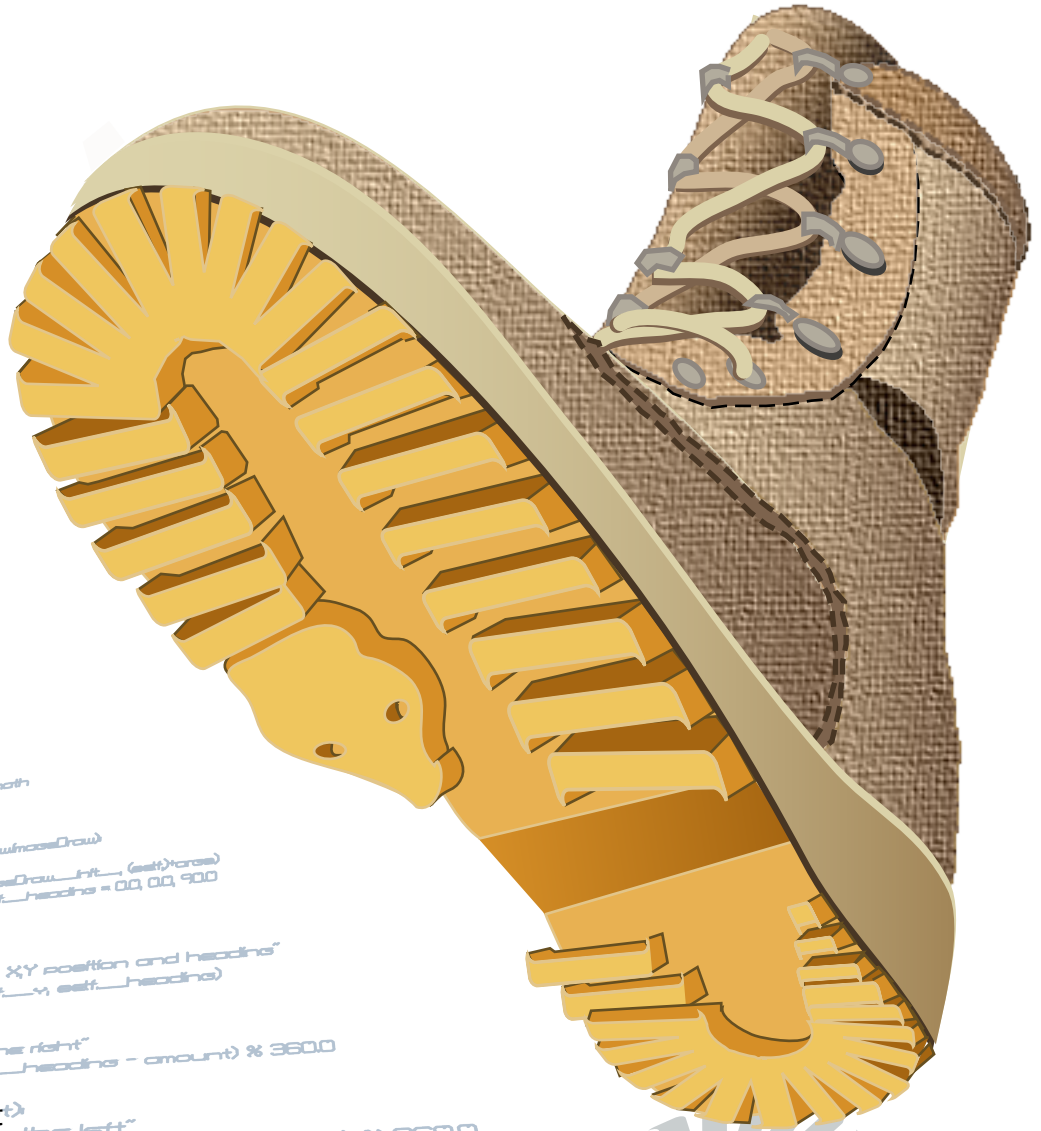


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University of California, Los Angeles

Hosted by the Department of Psychology

and the Graduate School of Education

& Information Studies

```
def forward(self, distance):
    """Move the turtle forward, drawing a line if the pen is down"""
    im_x, im_y = self.increase()
    ex, ey = self.increase()
    distance=float(distance)
    ex+=distance*math.cos(self.heading*deg2rad)
    ey+=distance*math.sin(self.heading*deg2rad)
    if self.pendown:
        self.forward(distance)
        self._x, self._y = ex, ey
    if not (0<=ex and ex<=1000 and 0<=ey and ey<=1000):
        new_x, new_y = self._x, self._y
        ex=ex + (new_x-ex) | ey=ey + (new_y-ey)
    if self.pendown: self.line((ex,ey), (new_x,new_y))
    self._x, self._y = new_x, new_y
```