

Assignment 1

#university/FIT3080

```
def heuristic(self,x,y):  
    """  
    method used to calculate the heuristic value given the  
    current x and y coordinates  
    @param x: current x coordinate  
    @param y: current y coordinate  
    @return: returns the heuristic value  
    """  
  
    # Calculate the difference in both x and y directions  
    dx = abs(x - self.GOAL_COORD[0])  
    dy = abs(y - self.GOAL_COORD[1])  
  
    # Returns the max of either the x or y direction  
    return max(dx,dy)
```