

TBC MODULE

Make a class called "Character"

```
Def __init__(self, name, hitPoints, hitChance, maxDamage, armor)
super().__init__()
self.name
Self.hitpoints
Etc
```

```
@property
Def name(self)
    Return self.__name
```

```
@name.setter
Def name(self, value):
    Self.__name = value
```

Do this for hitPoints, hitChance, etc.

```
def printStats
    Use an f string to print the character's stats using self as a parameter
```

```
def hit(self, enemy)
    If a random integer between 1 and 100 is less than hitChance
        Print {self.name} hits {enemy.name}
        Damage = random integer between 1 and selfmaxDamage
        Print for {damage} points of damage
        Damage -= enemy.armor
        If damage is less than 0
            Set damage equal to 0
        If enemy.armor is less than 0
            Print but {enemy.name}'s armor absorbed {enemy.armor} points
            enemy.hitPoints -= damage
    Else:
        Print {self.name} misses {enemy.name}
```

```
Def fight(self, hero, enemy):
    Set keepGoing to true
    While keepGoing
        Hero hits enemy
        Enemy hits hero
        Print hero's hp
        Print enemy's hp
```

```
If hero's hp is less than or equal to 0
    Print hero loses
    Set keepGoing to False
Elif enemy's hp is less than or equal to 0
    Print enemy loses
    Set keepGoing to False

Dummy = Press enter for another round
```

TBC MAIN

```
Import tbc module
```

```
Def main
```

```
    Hero = tbc.Character
    hero.name = "hero" (or whatever you please)
    Give values to hero's attributes
```

```
    Monster = tbc.Character("Monster", 20 , 30, 5, 0)
```

```
    Initiate the fight loop between hero and monster
```

```
If __name__ == "__main__"
    Run main
```