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Kelas : PTI - A

1. Source Code

a) Class Character

```
package ExceptionHandling;
```

}

b) Class Titan

```
package ExceptionHandling;
public class Titan extends Character {
   public Titan() {
      setHP(200);
      setAttack(45);
   }

   @Override
   public boolean attack() {
      int hit = (int) (Math.random() * 100);
      if (hit <= 40) {
         return true;
      } else {
         return false;
      }
   }
   @Override
   public void info() {
      super.info();
   }
}</pre>
```

c) Class Magician

```
package ExceptionHandling;
public class Magician extends Character {
    public Magician() {
        setHP(100);
        setAttack(60);
        setDefense(10);
    }

    @Override
    public boolean attack() {
        int hit = (int) (Math.random() * 100);
        if (hit <= 35) {
            return true;
        } else {
            return false;
        }
    }

    @Override
    public void info() {
        super.info();
    }
}</pre>
```

}

d) Class Healer

```
package ExceptionHandling;
public class Healer extends Character {
    public Healer() {
        setHP(70);
        setAttack(10);
        setDefense(10);
    }
    public void heal() {
        setHP(getHP() + 25);
    }
    @Override
    public boolean attack() {
        int hit = (int) (Math.random() * 100);
        if (hit <= 85) {
            return true;
        } else {
            return false;
        }
    }
    @Override
    public void info() {
        super.info();
    }
}</pre>
```

e) Class Warrior

```
package ExceptionHandling;
public class Warrior extends Character {
    public Warrior() {
        setHP(80);
        setAttack(25);
        setDefense(30);
    }

    @Override
    public boolean attack() {
        int hit = (int) (Math.random() * 100);
        if (hit <= 60) {
            return true;
        } else {
            return false;
        }
    }
}</pre>
```

```
@Override
  public void info() {
     super.info();
  }
}
```

f) Class Main

```
Character player = null;
        player.info();
       player = new Healer();
```

```
case 3 -> {
   player = new Warrior();
   player.info();
   player.receiveDamage(musuh.getAttack());
   musuh.receiveDamage(player.getAttack());
   musuh.setHP(0);
```



2. Screenshot Output

a) Screenshot 1

```
Taufik's HP : 30

Taufik menang

Taufik me
```

b) Screenshot 2



Enemy's HP : 170

Taufik's HP : 60

Taufik's HP : 60

Taufik's HP : 160

Taufik's HP : 160

Taufik's HP : 150

Taufik's HP : 140

Taufik's HP : 140