

1.

a)

AGE	OUTCOME
80	No discount
45	No discount
3	Discount
50	No Discount
10	Discount

b)

test1_grade	test2_grade	test3_grade	OUTCOME
60	70	80	Improving
60	80	70	Not improving
70	60	80	Not improving
70	80	60	Not improving
80	60	70	Not improving
80	70	60	Not improving
70	70	80	Not improving

c.

Day	Time	Outcome
Monday	10pm	Stay home
Monday	7pm	Stay home
Friday	7pm	Stay home
Saturday	10pm	Time to go out
Friday	10am	Stay home

2.

a) if temp <60

```
print ('a little cold')
```

```
else
```

```
print ('nice weather')
```

b) if number of cents==100

```
print ('$1')
```

c)if a player earns >=20 points

```
print ('player wins')
```

```
else
```

```
print ('player losses')
```

d)if total amount due is >100 and <200

```
print ('10% discount')
```

e) if children <=2 or adults >=65

```
print('free')
```

```
else
```

```
print ('$5')
```

3.

a) true

b)

c>false

d>false

e) false

f) false

g) false

h) false

4.

a)