

Higher Computing Science

Database Implementation: Calculations and Computed Fields

Exercise 4 – Answers

1.

```
UPDATE Question1  
SET test3 = test3 +1;
```

The updated test results are shown below.

test3
9
10
8
10
8
8
7
9

2.

```
UPDATE Question2  
SET hourlyRate = hourlyRate * 1.1  
WHERE hourlyRate<7;
```

The updated hourly rates are shown below.

hourlyRate
£7.50
£6.60
£6.60
£6.60
£4.95
£0.00

3.

```
UPDATE Question3  
SET test2 = test2 +2, test4 = test4 + 1  
WHERE surname LIKE "J*";
```

The updated details of the relevant records are shown below.

studentID	forename	surname	test2	test4
1	Bill	Johnstone	14	14
4	Billy	Johnston	11	12

4. UPDATE Question4
 SET buyingPrice = buyingPrice - 3, sellingPrice =
 round(buyingPrice * 1.45,2)
 WHERE productName LIKE "*e";

The updated details of the relevant record are shown below.

productID	productName	buyingPrice	sellingPrice
3	Yorkie	29	46

5. UPDATE Question5
 SET priceUK = round(priceUK * 1.05,2)
 WHERE productName like "*a? *";

The updated details of the relevant records are shown below.

productName	productID	priceUK
Optical Mouse	017	£7.88
Flat Screen Monitor	102	£78.75

6. UPDATE Question6
 SET pricePerKilo = round(pricePerKilo *0.9,2), numberOfKilos *
 2
 WHERE fishType LIKE "?o??*";

The updated details of the relevant records are shown below.

fishType	pricePerKilo	numberOfKilos
Coley	£6.30	2.0
Monkfish	£14.40	5.0