Solutions to Practice Exercise Questions (Advance)

Q:1 -> Solution: R = `[A(1,1) , A(1,end) ; A(end,1), A(end,end)]`

Q:2 -> Solution:

```
X == char(X);  % this converts X into character array
isequal(X,X(end:-1:1))
```

Q:3 -> Solution:

```
A = rand(5);
A(3,:) = []
```

Note 1: Please note that this syntax cannot be used to delete individual elements. The resultant matrix should have the same number of row elements corresponding to all columns and the same number of column elements corresponding to all rows.

Note 2: This was not covered in video lectures, so you learned something new ☺

Q:4 -> Solution:

10.1. a+b -> Correct statement

10.2. a*b -> **Incorrect statement**

10.3. a.*b -> Correct statement

10.4. A*b -> Correct statement

10.5. A.*b -> **Incorrect statement**

10.6. a'*b -> Correct statement

10.7. a*b' -> Correct statement

10.8. A*A -> Correct statement

10.9. A.*A -> Correct statement

10.10. A*B -> Correct statement

10.11. A.*B -> **Incorrect statement**

10.12. B*A -> **Incorrect statement**

10.13. B*B-> **Incorrect statement**

Q:5 -> Solution:

```
max_length = max([length(A), length(B),length(C)]);

x = zeros(3,max_length);
x(1,max_length-length(A)+1:max_length) = A;
x(2,max_length-length(B)+1:max_length) = B;
x(3,max_length-length(C)+1:max_length) = C;
```

Q:6. -> Solution:

A = [1:7; 9:-2:-3; 2.^(2:8)]

Q:7. -> Solution:

It will return the third row of A

Q:8. -> Solution:

It will interchange row 2 with row 3
