Introduction to Computing
Class Test - 1
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Question 1 :

Code

```matlab
% a
A = [600 2 3 5;
     300 4 6 7;
     200 1 1 1;
     100 10 12 8;
     250 4 6 8]

%b
rate = A(:,1)
jan = A(:,2)
feb = A(:,3)
march = A(:,4)
B = [rate.*jan rate.*feb rate.*march]

%c
item2 = sum(B(2,:))
item4 = sum(B(4,:))
```

Output

```
Command Window
>> test1

A =

    600       2       3       5
    300       4       6       7
    200       1       1       1
    100      10      12       8
    250       4       6       8


B =

          1200          1800          3000
          1200          1800          2100
           200           200           200
          1000          1200           800
          1000          1500          2000


item2 =

          5100


item4 =

          3000
```

Question 2:

Code

```matlab
18
19
20          %a
21 -        n = [1 3 7 15 19];
22 -        Tn1 = (2.*n+1)./(n.*(n + 1).*(n + 2))
23
24 -        n = 1:20;
25 -        Tn = (2.*n+1)./(n.*(n + 1).*(n + 2));
26          %b sum of even terms
27 -        evenSum = sum(Tn(2:2:20))
28
29          %c sum of odd terms
30 -        oddSum =  sum(Tn(1:2:20))
31
```

Output

```
Command Window

Tn1 =

    0.5000    0.1167    0.0298    0.0076    0.0049


evenSum =

    0.3982


oddSum =

    0.7598
```