Question 1

```matlab
%% Do not Edit this part %
a = input('Please enter array to check');
%% You can edit and add your code below this line - do not delete this line%%

b1 = sort(a);
b = [b1(mod(b1,2)==0) b1(mod(b1,2)==1)] ;

%% do not edit below this line %%
disp(b)
```

Question 2a

```matlab
%% Do not Edit this part %
v = input('Please enter array to check'); %monotonic decreasing array except for one element
%% You can edit and add your code below this line - do not delete this line%%

% Attention to the option that 2 elements will be identical, thus using sort might be problematic
steps = v(1:end-1) - v(2:end);
p = v(find(steps<0)+1);

%% do not edit below this line %%
disp(p)
```

Question 2b

```matlab
%% Do not Edit this part %
v = input('Please enter array to check'); %monotonic decreasing array except for one element
%% You can edit and add your code below this line - do not delete this line%%

% Attention to the option that 2 elements will be identical, thus using sort might be problematic
steps = v(1:end-1) - v(2:end);
v_fix = [v(1:find(steps<0)) v(find(steps<0))-1 v(find(steps<0)+2:end)];

%% do not edit below this line %%
disp(v_fix)
```
Question 3

%% Do not Edit this part %
a = input('Please enter first number');
b = input('Please enter second number');
%% You can edit and add your code below this line - do not delete this line%%

alldevs = 2:min([a,b]);
devs_a = alldevs(mod(a , alldevs)==0);
devs_b = alldevs(mod(b , alldevs)==0);

s = intersect(devs_a,devs_b);

%% do not edit below this line %%
disp(s)

Question 4

%% Do not Edit this part %
a = input('Please enter string to check');
ID =; %please update your ID number in this variable
%% You can edit and add your code below this line - do not delete this line%%

b_sum= sum(double(a(a<91)));

%% do not edit below this line %%
disp(b_sum)