**Assignment – 2**

1. Write a MATLAB code to display the following patterns

a)

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THE MATLAB CODE FOR THE SAME IS:

for i=1:5

for j=1:5

if (j>=i)

fprintf('\* ');

else

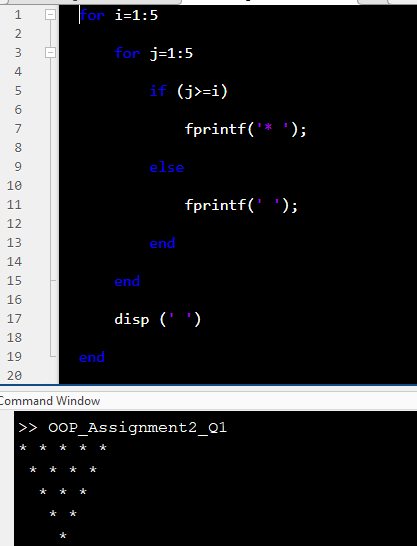
fprintf(' ');

end

end

disp (' ')

end



b)

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THE MATLAB CODE FOR THE SAME IS:

for i=1:5

for j=1:i

fprintf('\*')

end

fprintf('\n')

end

for i=5-1:-1:1

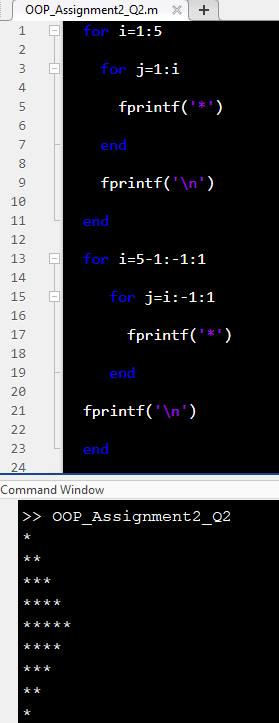
for j=i:-1:1

fprintf('\*')

end

fprintf('\n')

end



c)

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THE MATLAB CODE FOR THE SAME IS:

for i=1:1:6

for l=i:1:6

fprintf(' ')

end

for j=i:-1:1

fprintf(" \*")

end

fprintf('\n')

fprintf('\n')

end

for i=5:-1:1

for l=i:1:7

fprintf(" ")

end

for j=i:-1:1

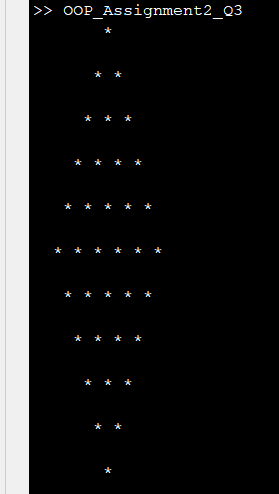
fprintf('\* ')

end

fprintf('\n')

fprintf('\n')

end



d)

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THE MATLAB CODE FOR THE SAME IS:

y= [];

for i=1:5

for j=i:(2\*5-1)

if(i==j || i+j==2\*5)

y(i,j)='\*';

end

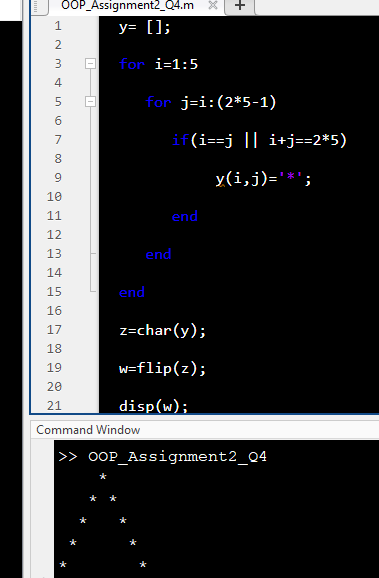
end

end

z=char(y);

w=flip(z);

disp(w);



e)

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THE MATLAB CODE FOR THE SAME IS:

for i=1:5

for j=1:9

if abs(5-j)==5-i

fprintf('\*');

else

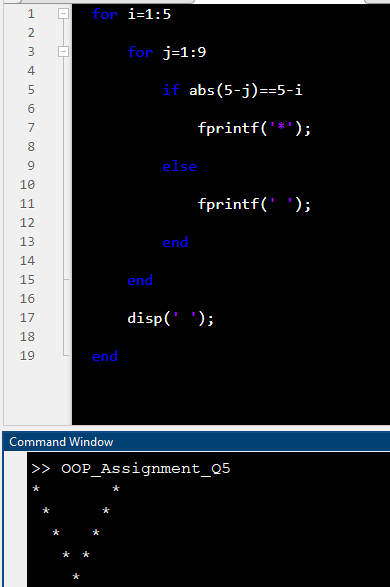
fprintf(' ');

end

end

disp(' ');

end



**Link to upload:**

<https://amritavishwavidyapeetham-my.sharepoint.com/:f:/g/personal/s_sachinkumar_cb_amrita_edu/EvirZagdrHZIln_77A3V3zkBIaL7f1ms2PO4d4wFPunrdg?e=Faa3CT>

Copy the code to a word document and following the below mentioned format to name the document.

**Naming format for the document:**

Batch ‘A’ students - ‘A\_name.docx’

Batch ‘B’ students - ‘B\_name.docx’