Chapter 4 - Part 1 Flow Charts and Loops PPT Examples

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```
y = 0;
for k = 1:5
    y = y + k;
end
y
```

```
y =

    15
```

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```
y = 0;
for k = 2:2:8
    y = y + k;
end
y
```

```
y =

    20
```

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```
for k = 1:5
    y(k) = k^2;
end
```

```
Y
```

```
Y =

    1    4    9   16   25
```

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```
for j = 1:3
    for k = 1:3
        T(j,k) = j*k;
    end
end
T
```

```
T =

    1    2    3
    2    4    6
    3    6    9
```
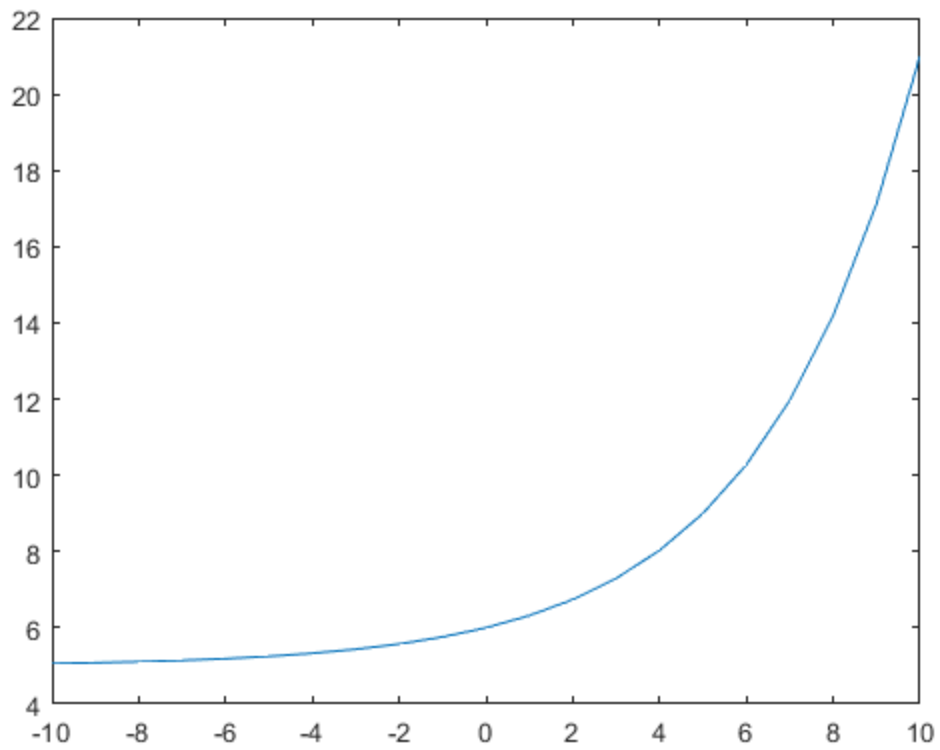
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```
clc;clear
for i = 1:21
    x(i) = -10 + (i-1);
    y(i) = 2^(0.4*x(i)) + 5;
end

plot(x,y)
```

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