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Quiz2 - 10 points

10
10

Name: [Redacted]

Reg. No: [Redacted]

Q1) Write the command needed to initialize the string property for a textbox whose tag is "Txtcost" to the value 23.5.

```
set(handles.Txtcost,'string',num2str(23.5))
```

2

Q2) In some experiment, the following reading were obtained at different instant of times. Use linear interpolation to determine the reading when time = 4?

Time	1	3	6	7	10
Reading	2	3	9	15	17

```
times = [1 3 6 7 10]
```

```
r = [2 3 9 15 17]
```

```
t_i = [4]
```

```
r_i = interp1(times, r, t_i)
```

A

Q3) In class of 40 students, the scores of the final exam were as follows:

Marks	60	65	70	75	80	85
Number of student they get the mark	5	3	12	10	6	4

Write the code that generates the absolute and relative frequency histograms and plot them separately on the same figure (use subplots).

```
Marks = [60 65 70 75 80 85]
```

```
N = [5 3 12 10 6 4]
```

```
Nr = N./sum(N)
```

```
subplot(1,2,1)
```

```
bar(Marks, N)
```

```
title('Absolute Frequency')
```

```
subplot(1,2,2)
```

```
bar(Marks, Nr)
```

A