

## QUESTION :-

Dilip had joined as intern data science firm. He is working in pathology department of a medical college. He got a task to collect blood sugar level of patients and their response on treatment. Sugar levels of patient recorded are as follows:

11 13.8 23 22 45.9 2.3 56.3 23.4 24 13

Each value above represents sugar level of a different individual participated in study.

Help her by writing code in python for her:

a. Create list of above mention data in list variable name glucose

```
glucose=[11,13.8,23,45.9,2.3,56.3,23.4,24,13]
```

b. Add a new reading of 14.6 at end of glucose

```
glucose.append(14.6)
```

c. Remove reading 13.8

```
glucose.remove(13.8)
```

d. Remove reading at index 2

```
glucose.pop(2)
```

45.9

e. Dilip receives information about 2 more individuals which was missed earlier. He want to store in list g2 = [4.3, 2.5]

```
g2=[4.3, 2.5]
```

f. Merge this g2 with glucose to make one single list.

```
glucose.extend(g2)
```

g. Display element on index 2, 3 and 4 of glucose list

```
glucose[2:5]
```

[2.3, 56.3, 23.4]

h. Print last element

```
glucose[-1]
```

2.5

i. Print first five elements

```
glucose[:5]
```

[11, 23, 2.3, 56.3, 23.4]

j. Print elements at even position

```
glucose[::2]
```

[11, 2.3, 23.4, 13, 4.3]