

EXPERIMENT – 1

PROGRAM:

```
n = int(input("Enter number of training examples: "))
```

```
training_data = []
```

```
for i in range(n):
```

```
    example = input().split(',')  
    example = [x.strip() for x in example]
```

```
    example[6] = int(example[6])  
    training_data.append(example)
```

```
hypothesis = ['0', '0', '0', '0', '0', '0']
```

```
for example in training_data:
```

```
    if example[6] == 1:
```

```
        if hypothesis == ['0', '0', '0', '0', '0', '0']:
```

```
            hypothesis = example[0:6]
```

```
        else:
```

```
            for i in range(6):
```

```
                if hypothesis[i] != example[i]:
```

```
                    hypothesis[i] = '?'
```

```
print("Final Hypothesis:", hypothesis)
```