Python Programming

LABORATORY MANUAL

B.Tech Semester -IV

Subject Code: (KNC-402)

Session: 2020-21, Even Semester

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OBJECT-:
To write a python program linear search.

PROGRAM-:

```python
items = [5, 7, 10, 12, 15]

print("list of items is", items)

x = int(input("enter item to search:"))

i = flag = 0

while i < len(items):
    if items[i] == x:
        flag = 1
        break

    i = i + 1

if flag == 1:
    print("item found at position:", i + 1)
else:
    print("item not found")
```

OUTPUT-:

```
PS D:\Python> python -u "d:\Python\linear.py"
list of items is [5, 7, 10, 12, 15]
enter item to search:12
item found at position: 4
PS D:\Python>
```