Question 1:
A#

new*

```python
d= {}
L1 = ['HTTP','HTTPS,','FTP','DNS']
L2 = [80,433,21,53]
for r,z in zip(L1,L2):
    d[r]=z
print(d)
```
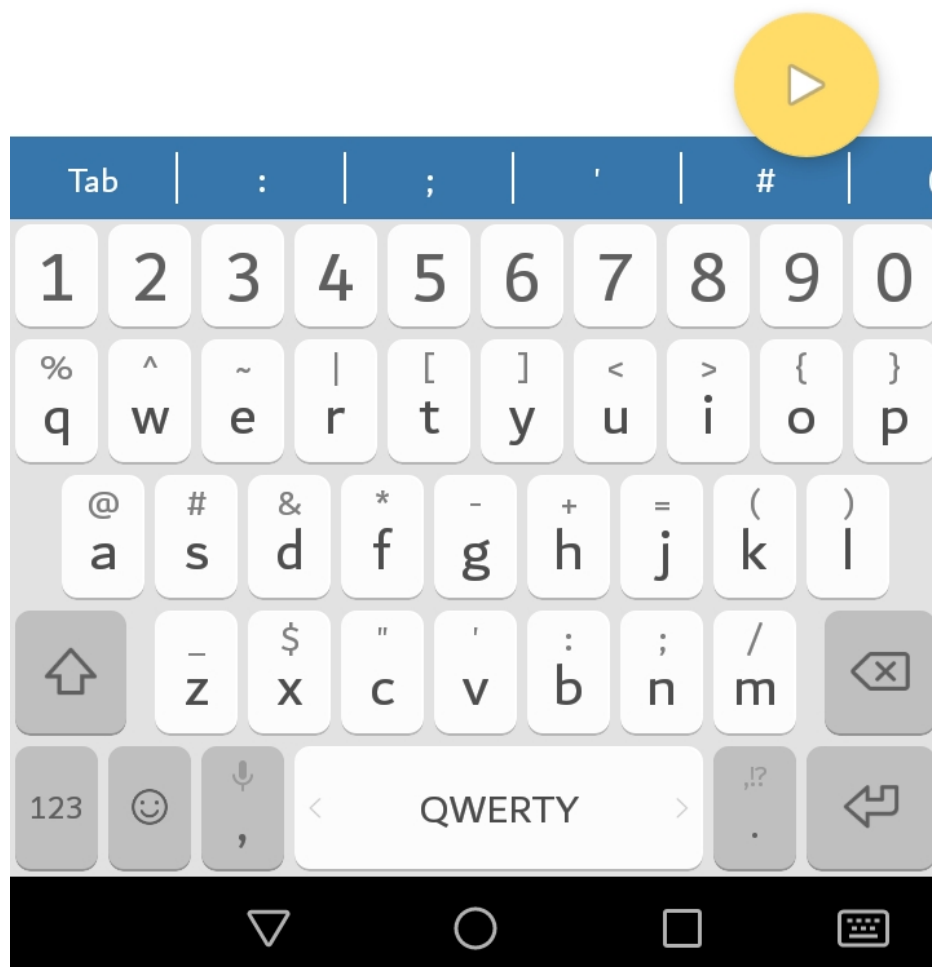
```
{'HTTP': 80, 'HTTPS,': 433, 'FTP': 21, 'DNS': 53}

[Program finished]
```
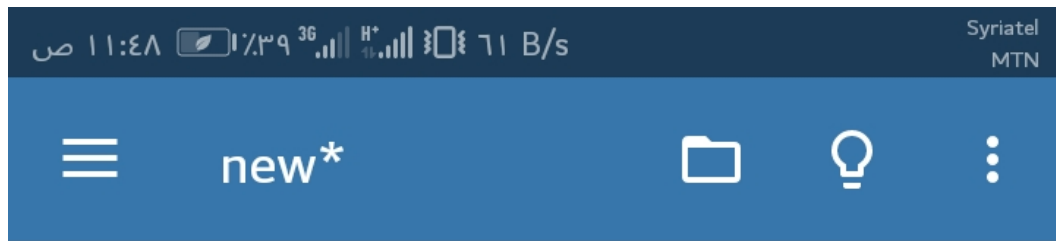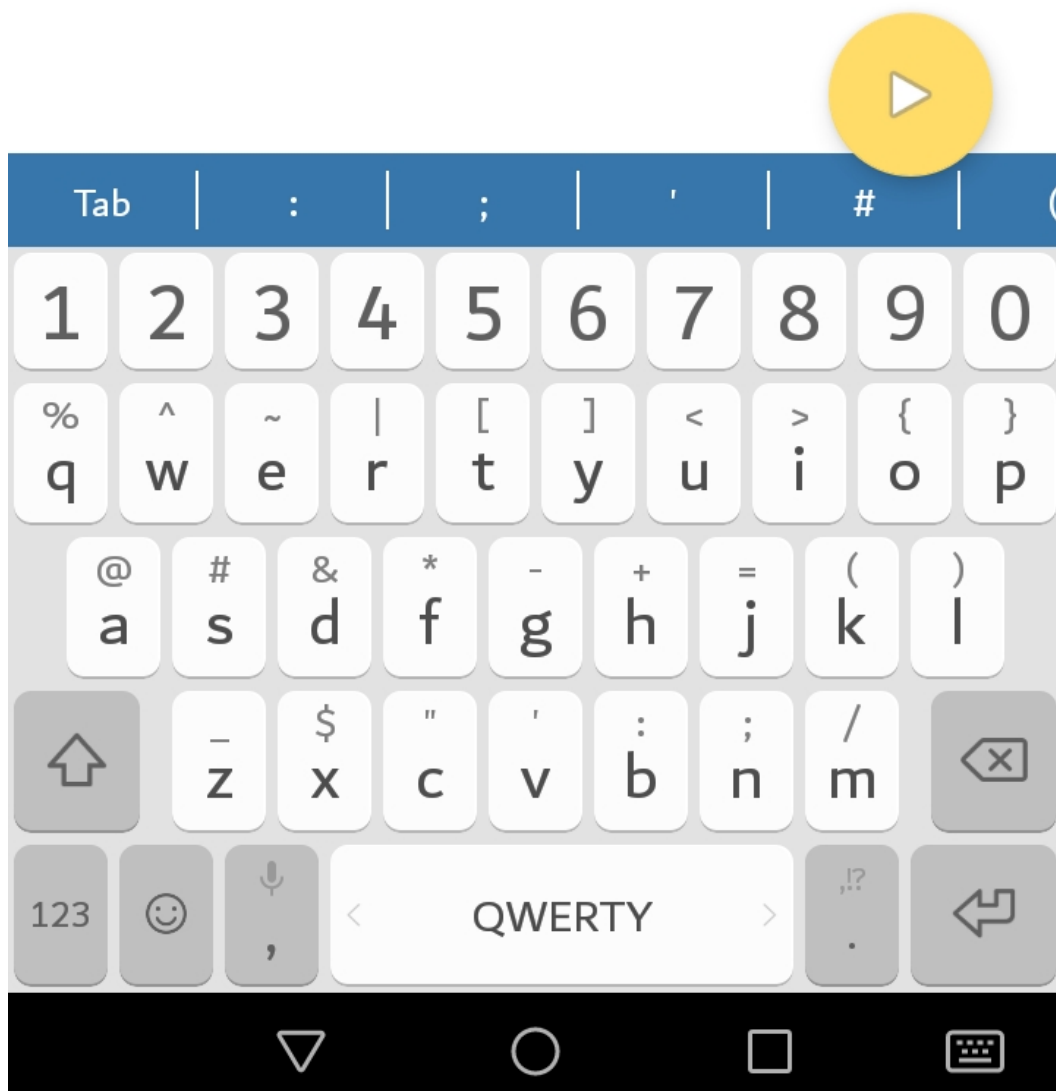
B#

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```python
def factorial(a):
    if a ==0:
        return 1
    else:
        return a*factorial(a-1)
num =int(input("Enter a number:"))
result=factorial(num)
print(f"The factorial of {num} is {result}")
```
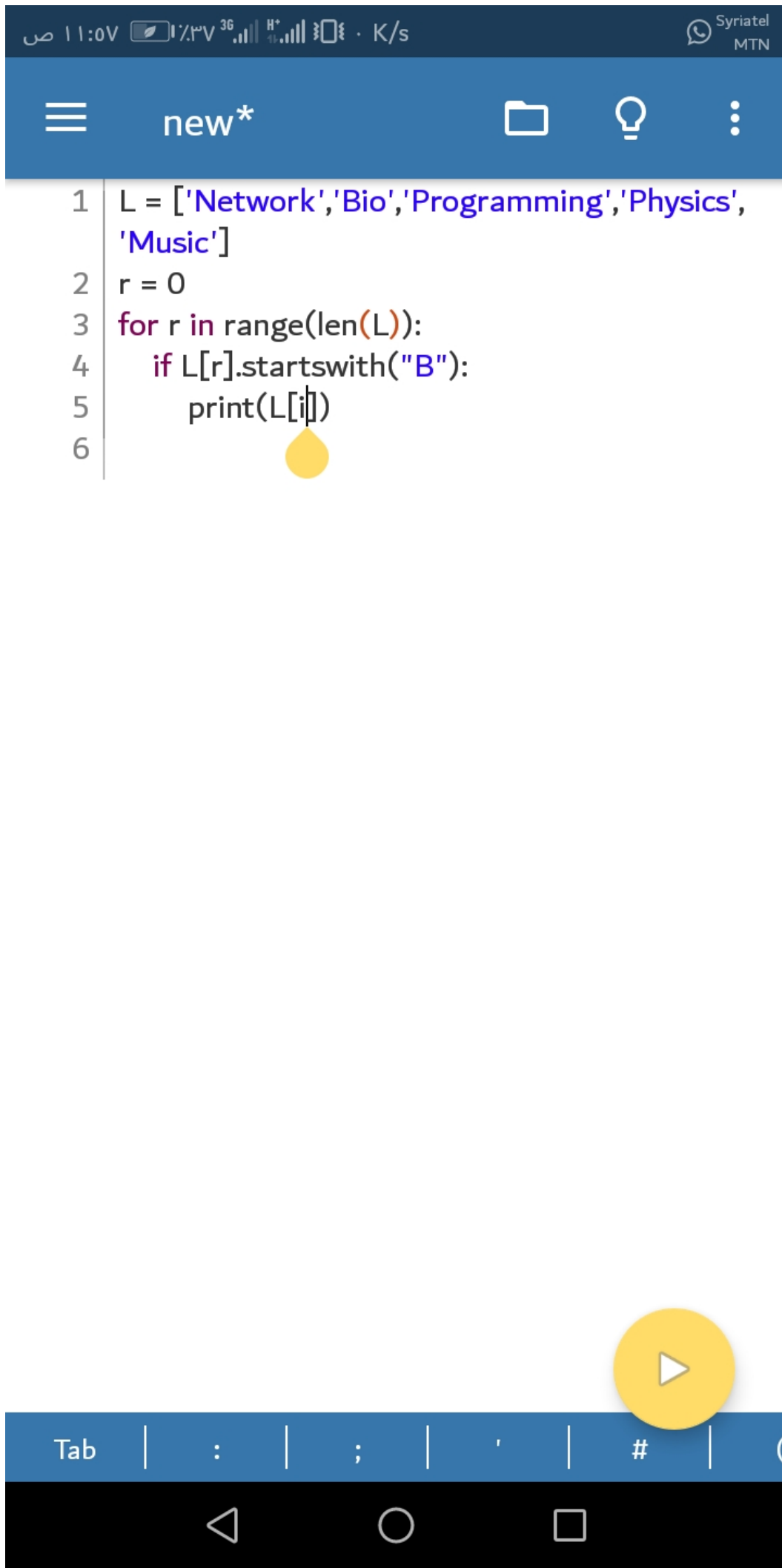
Enter a number:

C#

new*

```python
1  L = ['Network','Bio','Programming','Physics',
      'Music']
2  r = 0
3  for r in range(len(L)):
4      if L[r].startswith("B"):
5          print(L[i])
6
```

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Bio

[Program finished]

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```
1  d = {g:g+1 for g in range(0,11)}
2  print(d)
3
```
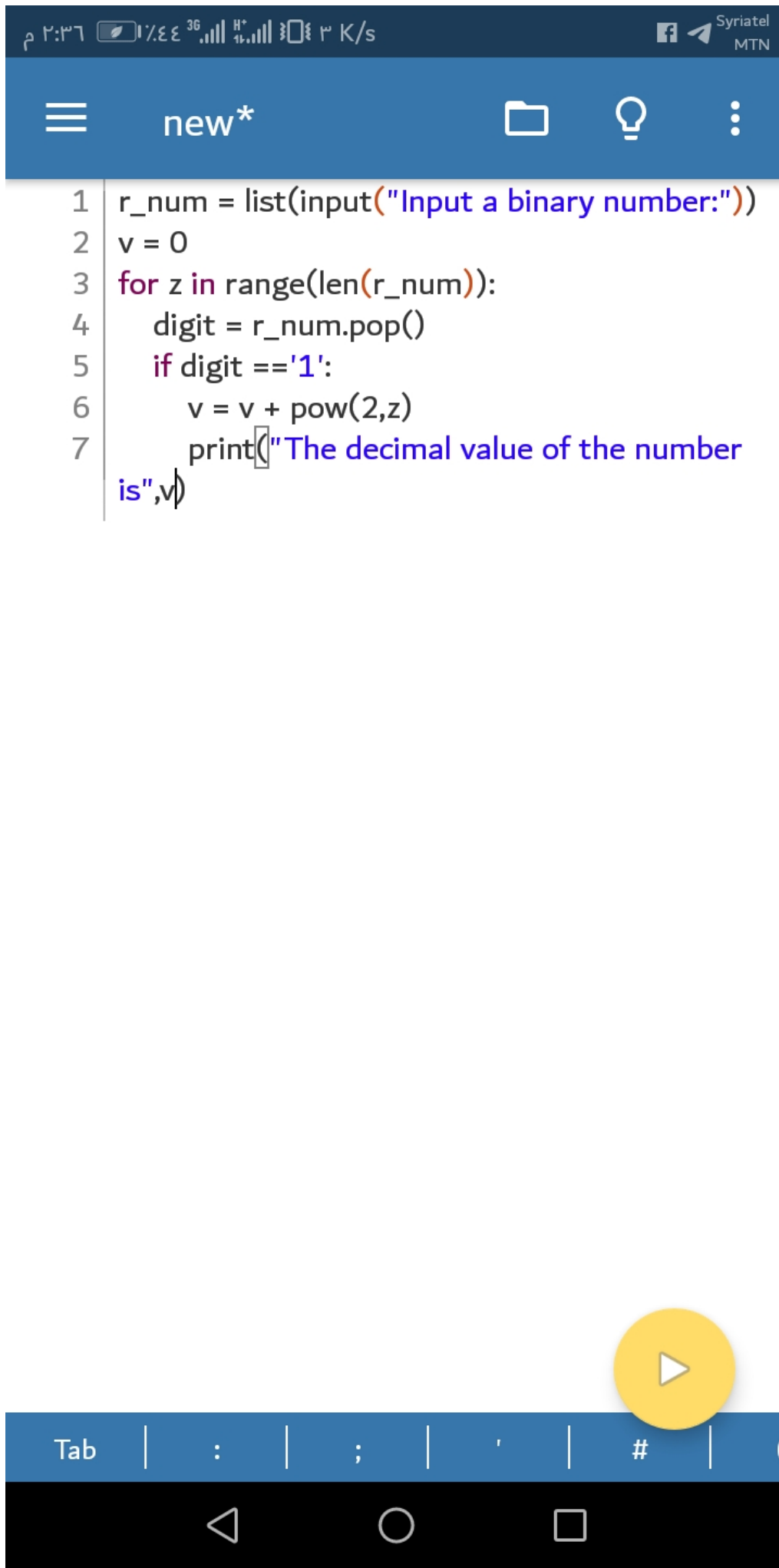
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```
{0: 1, 1: 2, 2: 3, 3: 4, 4: 5, 5: 6, 6: 7, 7: 8, 8: 9, 9: 10
, 10: 11}

[Program finished]
```

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```
1  r_num = list(input("Input a binary number:"))
2  v = 0
3  for z in range(len(r_num)):
4      digit = r_num.pop()
5      if digit =='1':
6          v = v + pow(2,z)
7          print("The decimal value of the number
   is",v)
```

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Input a binary number:5

[Program finished]