

Q.26) Consider a list consisting of integers, floating point numbers and strings.
Separate them into different lists depending on the data

```
def Datatypes():
```

```
    mix_list = input("Enter elements (integers, floats, and strings) separated by space: ").split()
```

```
    int_list = []
    float_list = []
    string_list = []
```

```
    for item in mix_list:
        try:
```

```
            if '.' in item:
                float_list.append(float(item))
            else:
                int_list.append(int(item))
```

```
        except ValueError:
```

```
            string_list.append(item)
```

```
    print("Integers:", int_list)
    print("Floats:", float_list)
```

```
print("Strings:", string_list)
```

```
Datatypes()
```