1. Design def function for 3D printing company to show the current printing models and the completed models:

Ans:

```
1   def print_models(unprinted_designs, completed_models):
2       while unprinted_designs:
3           current_design = unprinted_designs.pop()              #Replace 'current design' by the last value from list
4           print(f'\nPrinting model: {current_design}')          #Shows the printing model
5           completed_models.append(current_design)               #Add the printed model to 'completed_models'
6
7   def show_completed_models(completed_models):
8       print('\nThe following models have been printed: ')
9       print(f'\n{completed_models}')                            #Print the completed models list
10
11  unprinted_designs = ['A', 'B', 'C']
12  completed_models = []
13
14  print_models(unprinted_designs,completed_models)
15  show_completed_models(completed_models)
```

Result:

```
C:\Users\Aorus\Desktop\python>printing_model.py

Printing model: C

Printing model: B

Printing model: A

The following models have been printed:

['C', 'B', 'A']
```