

LCD Display

Program:

```
def zero(size):
    printer = []
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f"|{size * ' '}|")
    printer.append(f" {size * ' '} ")
    for i in range(size):
        printer.append(f"|{size * ' '}|")
    printer.append(f" {size * '_' }")
    return printer

def one(size):
    printer = []
    printer.append(f" {size * ' '} ")
    for i in range(size):
        printer.append(f" {size * ' '}|")
    printer.append(f" {size * ' '} ")
    for i in range(size):
        printer.append(f" {size * ' '}|")
    printer.append(f" {size * ' '} ")
    return printer

def two(size):
    printer = []
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f" {size * ' '}|")
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f"|{size * ' '} ")
    printer.append(f" {size * '_' }")
    return printer

def three(size):
    printer = []
    printer.append(f" {size * '_' }")
    for i in range(size):
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        printer.append(f" {size * ' '}|")
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f" {size * ' '}|")
    printer.append(f" {size * '_' }")
    return printer

def four(size):
    printer = []
    printer.append(f" {size * ' ' }")
    for i in range(size):
        printer.append(f"|{size * ' '}|")
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f" {size * ' '}|")
    printer.append(f" {size * ' ' }")
    return printer

def five(size):
    printer = []
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f"|{size * ' ' }")
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f" {size * ' '}|")
    printer.append(f" {size * '_' }")
    return printer

def six(size):
    printer = []
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f"|{size * ' ' }")
    printer.append(f" {size * '_' }")
    for i in range(size):
        printer.append(f"|{size * ' '}|")
    printer.append(f" {size * '_' }")
    return printer

def seven(size):
    printer = []

```

```

printer.append(f" {size * '_'} ")
for i in range(size):
    printer.append(f" {size * ' '}|")
printer.append(f" {size * ' '} ")
for i in range(size):
    printer.append(f" {size * ' '}|")
printer.append(f" {size * ' '} ")
return printer

def eight(size):
    printer = []
    printer.append(f" {size * '_'} ")
    for i in range(size):
        printer.append(f"|{size * ' '}|")
    printer.append(f" {size * '_'} ")
    for i in range(size):
        printer.append(f"|{size * ' '}|")
    printer.append(f" {size * '_'} ")
    return printer

def nine(size):
    printer = []
    printer.append(f" {size * '_'} ")
    for i in range(size):
        printer.append(f"|{size * ' '}|")
    printer.append(f" {size * '_'} ")
    for i in range(size):
        printer.append(f" {size * ' '}|")
    printer.append(f" {size * '_'} ")
    return printer

allfuncs = [zero, one, two, three, four, five, six, seven, eight, nine]

no = "12345"
size = 2
collection = [""]
for i in range(size * 2 + 3):
    # print(collection)

for char in no:
    returned = allfuncs[int(char)](size)
    for i in range(len(returned)):
        collection[i] += returned[i]

```

```
for item in collection:
    print(f"{item} ")

no = "6789"
size = 3
collection = ["" for i in range(size * 2 + 3)]
# print(collection)

for char in no:
    returned = allfuncs[int(char)](size)
    for i in range(len(returned)):
        collection[i] += returned[i]

for item in collection:
    print(f"{item} ")
}
```

Output:

