

#1

```
def format_number(number, fmt):  
    # Using format function to convert the  
    number based on the given format  
    formatted = format(number, fmt)  
    return formatted
```

```
# Arguments  
number = 145  
fmt = 'o'
```

```
# Calling the function and printing the  
result  
result = format_number(number, fmt)  
print(f"The formatted result of {number}  
as '{fmt}' is: {result}")
```

```
# Identifying the representation  
print(f"The representation '{fmt}'  
corresponds to: Octal (base 8)")
```