def odd\_or\_even():  
"""  
This function takes an integer input from the user and determines whether it is odd or even.  
It continues to prompt the user for input until a valid integer is entered.  
"""  
while True:  
try:  
num = int(input("Enter an integer: "))  
if num % 2 == 0:  
print(f"{num} is even.")  
else:  
print(f"{num} is odd.")  
break  
except ValueError:  
print("Invalid input. Please enter an integer.")