

```
== RESTART: /Users/krishahemani/Downloads/CSULB/Spring2024/174/week6/while2.py =
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80
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82
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84
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86
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88
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90
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92
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98
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100
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100
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96
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92
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90
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88
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86
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84
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82
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80
```

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Enter the lower limit (a positive integer): 3
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Enter the upper limit (a positive integer): 33
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32
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30
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Enter the upper limit (a positive integer): 33
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
Enter the lower limit (a positive integer): 4
Enter the upper limit (a positive integer): 44
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
Enter the lower limit (a positive integer): 5
Enter the upper limit (a positive integer): 55
Enter the step value between 1 and 102
Enter the lower limit (a positive integer): 6
Enter the upper limit (a positive integer): 66
Enter the step value between 1 and 10 (inclusive): 3
66
60
54
48
42
36
30
24
18
12
6
Do you want to run the code again? (yes/no): no
```

```

#A
num=80
while num <= 100:
    if num % 2 == 0:
        print(num)
    num += 1
#B
num = 100
while num >= 80:
    if num % 2 == 0:
        print(num)
    num -= 1
#c
while True:
    try:
        lower_limit = int(input("Enter the lower limit (a positive integer): "))
        if lower_limit < 0:
            print("Please enter a positive integer for the lower limit.")
            continue
        upper_limit = int(input("Enter the upper limit (a positive integer): "))
        if upper_limit < 0:
            print("Please enter a positive integer for the upper limit.")
            continue
        break
    except ValueError:
        print("Please enter a valid integer.")

num = upper_limit
while num >= lower_limit:
    if num % 2 == 0:
        print(num)
    num -= 1

#While2
#A
while True:
    try:
        lower_limit = int(input("Enter the lower limit (a positive integer): "))
        if lower_limit < 0:
            print("Please enter a positive integer for the lower limit.")
            continue
        upper_limit = int(input("Enter the upper limit (a positive integer): "))
        if upper_limit < 0:
            print("Please enter a positive integer for the upper limit.")

```

```

        continue
    if upper_limit < lower_limit:
        lower_limit, upper_limit = upper_limit, lower_limit
    break
except ValueError:
    print("Please enter a valid integer.")

num = lower_limit
while num <= upper_limit:
    if num % 2 == 0:
        print(num)
    num += 1
#B

while True:
    try:
        lower_limit = int(input("Enter the lower limit (a positive integer): "))
        if lower_limit < 0:
            print("Please enter a positive integer for the lower limit.")
            continue
        upper_limit = int(input("Enter the upper limit (a positive integer): "))
        if upper_limit < 0:
            print("Please enter a positive integer for the upper limit.")
            continue
        if upper_limit < lower_limit:
            lower_limit, upper_limit = upper_limit, lower_limit
        step = int(input("Enter the step value between 1 and 10"))
        if step < 1 or step > 10:
            print("Please enter a step value between 1 and 10")
            continue
        break
    except ValueError:
        print("Please enter a valid integer.")

num = upper_limit
while num >= lower_limit:
    if num % 2 == 0:
        print(num)
    num -= step

#c
while True:
    try:
        while True:

```

```
lower_limit = int(input("Enter the lower limit (a positive integer): "))
if lower_limit < 0:
    print("Please enter a positive integer for the lower limit.")
    continue
upper_limit = int(input("Enter the upper limit (a positive integer): "))
if upper_limit < 0:
    print("Please enter a positive integer for the upper limit.")
    continue
if upper_limit < lower_limit:
    lower_limit, upper_limit = upper_limit, lower_limit
step = int(input("Enter the step value between 1 and 10 (inclusive): "))
if step < 1 or step > 10:
    print("Please enter a step value between 1 and 10 (inclusive).")
    continue
break
num = upper_limit
while num >= lower_limit:
    if num % 2 == 0:
        print(num)
    num -= step
except ValueError:
    print("Please enter a valid integer.")

run_again = input("Do you want to run the code again? (yes/no): ")
if run_again.lower() != 'yes':
    break
```

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IDLE File Edit Format Run Options Window Help
*while2.py - /Users/krishahamani/Downloads/CSULB/Spring2024/174/week6/while2.py (3.12.1)*

while True:
    try:
        lower_limit = int(input("Enter the lower limit (a positive integer): "))
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        upper_limit = int(input("Enter the upper limit (a positive integer): "))
        if upper_limit < 0:
            print("Please enter a positive integer for the upper limit.")
            continue
        if upper_limit < lower_limit:
            lower_limit, upper_limit = upper_limit, lower_limit
        step = int(input("Enter the step value between 1 and 10"))
        if step < 1 or step > 10:
            print("Please enter a step value between 1 and 10")
            continue
        break
    except ValueError:
        print("Please enter a valid integer.")

num = upper_limit
while num >= lower_limit:
    if num % 2 == 0:
        print(num)
    num -= step

#c
while True:
    try:
        while True:
            lower_limit = int(input("Enter the lower limit (a positive integer): "))
            if lower_limit < 0:
                print("Please enter a positive integer for the lower limit.")
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            upper_limit = int(input("Enter the upper limit (a positive integer): "))
            if upper_limit < 0:
                print("Please enter a positive integer for the upper limit.")
                continue
            if upper_limit < lower_limit:
                lower_limit, upper_limit = upper_limit, lower_limit
            step = int(input("Enter the step value between 1 and 10 (inclusive): "))
            if step < 1 or step > 10:
                print("Please enter a step value between 1 and 10 (inclusive).")
                continue
            break
        num = upper_limit
        while num >= lower_limit:
            if num % 2 == 0:
                print(num)
            num -= step
    except ValueError:
        print("Please enter a valid integer.")

run_again = input("Do you want to run the code again? (yes/no): ")
if run_again.lower() != 'yes':
    break
```

```
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num = 100
while num >= 80:
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while True:
    try:
        lower_limit = int(input("Enter the lower limit (a positive integer): "))
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        upper_limit = int(input("Enter the upper limit (a positive integer): "))
        if upper_limit < 0:
            print("Please enter a positive integer for the upper limit.")
            continue
        if upper_limit < lower_limit:
            lower_limit, upper_limit = upper_limit, lower_limit
        break
    except ValueError:
        print("Please enter a valid integer.")

num = upper_limit
while num >= lower_limit:
    if num % 2 == 0:
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#while2
#A
while True:
    try:
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        if upper_limit < 0:
            print("Please enter a positive integer for the upper limit.")
            continue
        if upper_limit < lower_limit:
            lower_limit, upper_limit = upper_limit, lower_limit
        break
    except ValueError:
        print("Please enter a valid integer.")

num = lower_limit
while num <= upper_limit:
    if num % 2 == 0:
        print(num)
    num += 1

#B
while True:
```