

```
def print_pat(len):  
    for i in range(len):  
        for j in range(len):  
            print("*", end="")  
        print("")
```

```
def print_pate(len):  
    for i in range(0, (len // 2) + 1):  
        for j in range(0, len):  
            if j == (len // 2) - i:  
                print("*", end="")  
            elif i == j == (len // 2):  
                print(len, end="")  
            elif j == (len // 2) + i:  
                print("*", end="")  
            else:  
                print(" ", end="")  
        print("")
```

```
for i in range(0, (len // 2)):  
    for j in range(0, len):  
        if j == i + 1:  
            print("*", end="")  
        elif j == (len - 1) - i - 1:  
            print("*", end="")  
        break  
    else:  
        print(" ", end="")  
    print("")
```

```
def print_pattern(len):
```

```
if len < 1:
    return "Enter a length greater than or equal to 1"
if not isinstance(len, int):
    return "Enter a positive integer value"
return print_p(len)
```

```
def print_p(len):
    column = (len * 2) + 3
    kite = (len * 2) + 1
    lst_row = len
    for i in range(0, (kite // 2)):
        for j in range(0, kite + 2):
            if j == (kite // 2) - i + 1:
                print("*", end="")
            elif j == (kite // 2) + i + 1:
                print("*", end="")
            else:
                print(" ", end="")
        print("")
```

```
for i in range(1):
    for j in range(0, kite + 2):
        if j == i + 1:
            print("*", end="")
        elif j == ((kite + 2) // 2):
            print(len, end="")
        elif j == kite:
            print("*", end="")
            break
        else:
            print(" ", end="")
```

```
print("")
```

```
for i in range(0, (kite // 2) - 1):
```

```
    for j in range(0, kite + 1):
```

```
        if j == i + 2:
```

```
            print("*", end="")
```

```
        elif j == (kite + 1) - i - 2:
```

```
            print("*", end="")
```

```
        else:
```

```
            print(" ", end="")
```

```
    print("")
```

```
for i in range(0, lst_row):
```

```
    for j in range(0, column):
```

```
        print("*", end="")
```

```
    print("")
```

```
return ""
```

```
def main():
```

```
    try:
```

```
        user_input = int(input("Enter a positive integer value for the pattern length: "))
```

```
        print(print_pattern(user_input))
```

```
    except ValueError:
```

```
        print("Invalid input. Please enter a positive integer.")
```

```
if __name__ == "__main__":
```

```
    main()
```

```

def print_pattern(len):
    if len < 1:
        return "Enter a length greater than or equal to 1"
    if not isinstance(len, int):
        return "Enter a positive integer value"
    return print_p(len)

```

```

def print_p(len):
    column = (len * 2) + 3
    kite = (len * 2) + 1
    lst_row = len
    for i in range(0, (kite // 2)):
        for j in range(0, kite + 2):
            if j == (kite // 2) - i + 1:
                print("+", end="")
            elif j == (kite // 2) + i + 1:
                print("+", end="")
            else:
                print(" ", end="")
        print("")

```

```

for i in range(1):
    for j in range(0, kite + 2):
        if j == i + 1:
            print("+", end="")
        elif j == ((kite + 2) // 2):
            print(end=" ")
        elif j == kite:
            print("+", end="")
            break
    else:

```

```
    print(" ", end="")
print("")
```

```
for i in range(0, (kite // 2) - 1):
    for j in range(0, kite + 1):
        if j == i + 2:
            print("+", end="")
        elif j == (kite + 1) - i - 2:
            print("+", end="")
        else:
            print(" ", end="")
    print("")
```

```
for i in range(0, column // 2):
    print(" ", end="")
print("-")
return ""
```

```
def main():
    try:
        user_input = int(input("Enter a positive integer value for the pattern length: "))
        print(print_pattern(user_input))
    except ValueError:
        print("Invalid input. Please enter a positive integer.")

if __name__ == "__main__":
    main()
```

```

def print_pattern(len):
    if len < 1:
        return "Enter a length greater than or equal to 1"
    if not isinstance(len, int):
        return "Enter a positive integer value"
    return print_p(len)

```

```

def print_p(len):
    column = (len * 2) + 3
    kite = (len * 2) + 1
    lst_row = len
    for i in range(0, (kite // 2)):
        for j in range(0, kite + 2):
            if j == (kite // 2) - i + 1:
                print("+", end="")
            elif j == (kite // 2) + i + 1:
                print("+", end="")
            else:
                print(" ", end="")
        print("")

```

```

for i in range(1):
    for j in range(0, kite + 2):
        if j == i + 1:
            print("+", end="")
        elif j == ((kite + 2) // 2):
            print(end=" ")
        elif j == kite:
            print("+", end="")
            break
    else:

```

```
    print(" ", end="")
print("")
```

```
for i in range(0, (kite // 2) - 1):
    for j in range(0, kite + 1):
        if j == i + 2:
            print("-", end="")
        elif j == (kite + 1) - i - 2:
            print("-", end="")
        else:
            print(" ", end="")
    print("")
```

```
for i in range(0, column // 2):
    print(" ", end="")
print("-")
return ""
```

```
def main():
    try:
        user_input = int(input("Enter a positive integer value for the pattern length: "))
        print(print_pattern(user_input))
    except ValueError:
        print("Invalid input. Please enter a positive integer.")

if __name__ == "__main__":
    main()
```