

Abstract geometric lines forming various polygons and shapes, primarily in the upper left quadrant of the page.

POWERBALL LOTTERY

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WHILE LOOP

```
active=True  
while active:
```

- active=true
 - Used to keep the code running

IMPORT RANDOM

```
Import random  
computer=random.randrange(1,70)
```

- Used to generate random PowerBall numbers from the computer
- 5 numbers generated for the five digit PowerBall number
- Computer=random.randrange(1,27)
 - 1 number generated for the Powerball number

USER INPUT

- `enter=input("Enter $2 if you want a powerball ticket: ")`
- `num1=int(input("Enter your first number (1-69): "))`
- `num2=int(input("Enter your second number (1-69): "))`
- `num3=int(input("Enter your third number (1-69): "))`
- `num4=int(input("Enter your fourth number (1-69): "))`
- `num5=int(input("Enter your fifth number (1-69): "))`
- `pnum=int(input("Enter your powerball number (1-26): "))`

COMPUTER NUMBERS

- `cnum1=random.randrange(1,70)`
- `cnum2=random.randrange(1,70)`
- `cnum3=random.randrange(1,70)`
- `cnum4=random.randrange(1,70)`
- `cnum5=random.randrange(1,70)`
- `cpnum=random.randrange(1,27)`

USER NUMBERS VS. COMPUTER NUMBERS

- `print(f"Your numbers: {num1}, {num2}, {num3}, {num4}, {num5}, {pnum}")`
- `print(f"Powerball numbers: {cnum1}, {cnum2}, {cnum3}, {cnum4}, {cnum5}")`

IF, ELIF, ELSE STATEMENTS

- **if** num1 == cnum1 **or** num1 == cnum1 **or** num3 == cnum1 **or** num4 == cnum1 **or** num5 == cnum1 **and** num1 == cnum2 **or** num2 == cnum2 **or** num3 == cnum2 **or** num4 == cnum2 **or** num5 == cnum2 **and** num1 == cnum3 **or** num2 == cnum3 **or** num3 == cnum3 **or** num4 == cnum3 **or** num5 == cnum3 **and** num1 == cnum4 **or** num2 == cnum4 **or** num3 == cnum4 **or** num4 == cnum4 **or** num5 == cnum4 **and** num1 == cnum5 **or** num2 == cnum5 **or** num3 == cnum5 **or** num4 == cnum5 **or** num5 == cnum5: print(f"The powerball numbers are {cnum1}, {cnum2}, {cnum3}, {cnum4}, {cnum5}") print("You won the poweball! You get \$340,000,000")
- **elif** pnum == cpnum: print(f"The powerball number was: {cpnum}. You won \$4!")
- **else**: print(f"The powerball number was: {cpnum}. You didn't get it!")