1. Program to print maximum among two numbers.
2. Program to print maximum among three numbers.
3. Program to check whether a given number is divisible by 3 or not.
4. Program to check whether a given number is divisible by 5 or not.
5. Program to check whether a given number is divisible by 11 or not.
6. Program to check whether a given number is even or odd.
7. Program to check whether a year is a leap year or not.
8. Program to check whether a given input is digit or not.
9. Program to check whether a given input is the alphabet or not.
10. Program to check whether a given number is a positive or negative number.
11. Program to check whether a character is a vowel or consonant.
12. Program to check whether a given character is uppercase or lowercase.
13. Program to check whether a person is valid for vote or not?
14. Write a programs to display "Hello" if a number entered by user is Multiple of 5 otherwise print "Bye"
15. Write a programs to Display Last Digit OF Number
16. Write a programs to check weather the last digit of number(Enter By user) is divisible by 3 or not
    17. Write a programs to accept a number from 1 to 7 and display the name
18. Write a program to check whether a person is a senior citizen or not.
19. Accept the age of 4 people and display the youngest one.
20.

21. Question Given in Below Images

Q3. A company decided to give bonus to employee according to following criteria:

Time period of Service	Bonus
More than 10 years	10%
>=6 and <=10	8%
Less than 6 years	5%

Ask user for their salary and years of service and print the net bonus amount.

22. Question Given in Below Images

Q2. Write a program to accept the cost price of a bike and display the road tax to be paid according to the following criteria :

Cost price (in Rs)	Tax
> 100000	15 %
> 50000 and <= 100000	10%
<= 50000	5%

23. Question Given in Below Images.

Q7. Write a program to accept two numbers and mathematical operators and perform operation accordingly.

Like:

Enter First Number: 7

Enter Second Number : 9

Enter operator : +

Your Answer is : 16

24. Question Given in Below Images.

Q6. Accept the kilometers covered and calculate the bill according to the following criteria:

First 10 Km	Rs11/km
Next 90Km	Rs 10/km
After that	Rs9/km

25. Write a program to input electricity unit charges and calculate total electricity bill according to the given condition:
   For first 50 units Rs. 0.50/unit
   For next 100 units Rs. 0.75/unit
   For next 100 units Rs. 1.20/unit
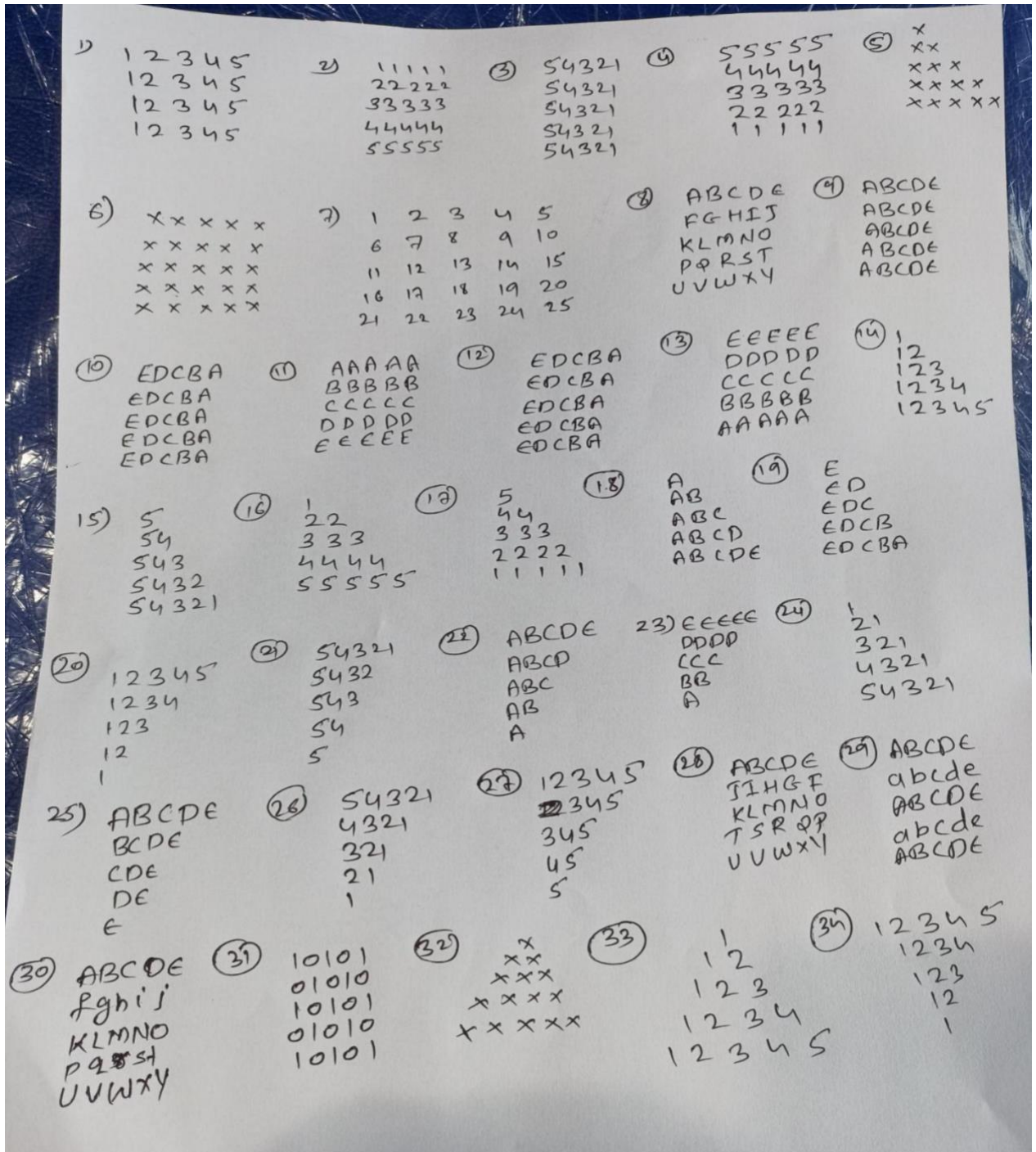   For unit above 250 Rs. 1.50/unit
   An additional surcharge of 20% is added to the bill

26. Write a program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:

Percentage >= 90% : Grade A
Percentage >= 80% : Grade B
Percentage >= 70% : Grade C
Percentage >= 60% : Grade D
Percentage >= 40% : Grade E
Percentage <   40% : Grade F

27. Python program to print all even numbers between 1 to 100 using a for loop.
28. Python program to print all odd numbers between 1 to 100 using a for loop.
29. Python program to print sum of all even numbers between 1 to 100 using a for loop.
30. Python program to print sum of all odd numbers between 1 to 100 using a for loop.
31. Python program to count the digits of a given number using for loop.
32. Python program to print the sum of digits of a given number using for loop.
33. Python program to check whether a given number is Prime or not using for loop.
34. Python program to print all Prime numbers between 1 to 100 using for loop.
35. Python program to find the sum of all prime numbers between 1 to 100 using a for loop.
36. Python program to check a given number is Armstrong or not using a for loop.
37. Python program to print all Armstrong numbers between 1 to n using a for loop.
38. Python program to check a given number is neon or not using a for loop.
39. Python program to check number is palindrome or not using for loop.
40. Python program to print Fibonacci series of a given number using for loop.
41. Python program to print all alphabets from a to z using for loop.
42. Python program to print all uppercase alphabets using for loop.
43. Write a programs to first 10 Even number using for loop 44. Python program to print all lowercase alphabets using for loop.
45. Write a programs to first 10 Even number using for loop in reverse order
46. Write a programs to print number from 1 to 20 except multiple 2 and 3

47. Please Solve All Pattern Programs Given in Below Images

****

1)
```
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
```

2)
```
1 1 1 1 1
2 2 2 2 2
3 3 3 3 3
4 4 4 4 4
5 5 5 5 5
```

3)
```
5 4 3 2 1
5 4 3 2 1
5 4 3 2 1
5 4 3 2 1
5 4 3 2 1
```

4)
```
5 5 5 5 5
4 4 4 4 4
3 3 3 3 3
2 2 2 2 2
1 1 1 1 1
```

5)
```
x
x x
x x x
x x x x
x x x x x
```

6)
```
x x x x x
x x x x x
x x x x x
x x x x x
x x x x x
```

7)
```
1   2   3   4   5
6   7   8   9   10
11  12  13  14  15
16  17  18  19  20
21  22  23  24  25
```

8)
```
A B C D E
F G H I J
K L M N O
P Q R S T
U V W X Y
```

9)
```
A B C D E
A B C D E
A B C D E
A B C D E
A B C D E
```

10)
```
E D C B A
E D C B A
E D C B A
E D C B A
E D C B A
```

11)
```
A A A A A
B B B B B
C C C C C
D D D D D
E E E E E
```

12)
```
E D C B A
E D C B A
E D C B A
E D C B A
E D C B A
```

13)
```
E E E E E
D D D D D
C C C C C
B B B B B
A A A A A
```

14)
```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

15)
```
5
5 4
5 4 3
5 4 3 2
5 4 3 2 1
```

16)
```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

17)
```
5
4 4
3 3 3
2 2 2 2
1 1 1 1 1
```

18)
```
A
A B
A B C
A B C D
A B C D E
```

19)
```
E
E D
E D C
E D C B
E D C B A
```

20)
```
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```

21)
```
5 4 3 2 1
5 4 3 2
5 4 3
5 4
5
```

22)
```
A B C D E
A B C D
A B C
A B
A
```

23)
```
E E E E E
D D D D
C C C
B B
A
```

24)
```
1
2 1
3 2 1
4 3 2 1
5 4 3 2 1
```

25)
```
A B C D E
B C D E
C D E
D E
E
```

26)
```
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
```

27)
```
1 2 3 4 5
2 3 4 5
3 4 5
4 5
5
```

28)
```
A B C D E
J I H G F
K L M N O
T S R Q P
U V W X Y
```

29)
```
A B C D E
a b c d e
A B C D E
a b c d e
A B C D E
```

30)
```
A B C D E
f g h i j
K L M N O
p q r s t
U V W X Y
```

31)
```
1 0 1 0 1
0 1 0 1 0
1 0 1 0 1
0 1 0 1 0
1 0 1 0 1
```

32)
```
x
x x
x x x
x x x x
x x x x x
```

33)
```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

34)
```
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```

35)
```
 1
 12
 123
 1234
 12345
```

36)
```
 5
 45
 345
 2345
 12345
```

37)
```
 X
 XX
 XXX
 XXXX
 XXXXX
```

38)
```
12345
 2345
  345
   45
    5
```

39)
```
   21
  321
 4321
 54321
 4321
  321
   21
    1
```

40)
```
54321
5432
543
54
5
54
543
5432
54321
```

41)
```
    5
   44
  3 3 3
 2 2 22
1 1 1 1 1
```

42)
```
11111
2222
333
44
5
```

43)
```
XX X XX
XXXX
XXX
XX
X
```

44)
```
ABCDE
BCDE
CDE
DE
E
```

45)
```
12
123
1234
12345
1234
123
12
1
```

46)
```
    X
   XX
  X XX
 X XXX
XX XXX X
 X XXX
  XXX
   XX
    X
```

47)
```
X
XX
XXX
XXXX
XXXXX
XXXX
XXX
XX
X
```

48)
```
X X X X X X X X X X
 X X X X   X X X X
  X X X     X X X
   X X       X X
    X         X
    X X       X X
   X X X     X X X
  X X X X   X X X X
 X X X X X X X X X X
```

49)
```
1
 2
  3
   4
    5
```

50)
```
    1
   2
  3
 4
5
```

51)
```
 2 1 2
3     3
4     4
5     5
```

52) / 53)
```
X       X
 X     X
  X   X
   X X
    X
```

54)
```
X X   X X
X   X   X
X X X X X
X   X   X
X X X X
```

(54 second figure)
```
X X   X X
X       X
X       X
X X X X
```

55)
```
   2 1 2
  3     3
 4       4
5         5
 4       4
  3     3
   2   2
    1
```

56)
```
      X
  X X X X
X X     X X
 X       X
  X     X
   X X X
    X
```

57)
```
0
01
011
0112
01123
```

****

58)
```
    121
   12321
  1234321
 123454321
12345654321
```

59)
```
    ABA
   ABCBA
  ABCDCBA
 ABCDEDCBA
ABCDEFEDCBA
```

60)
```
   333
  55555
 7277777
999999999
```

61) (circled, crossed-out drawing)

61)
```
    x
   x x
  x x x
 x x x x
x x x x x
```

62)
```
    x       x
   x x     x x
  x x x   x x x
 x x x x x x x x x x
```

63)
```
1234554324
1234   432
123      32
12        21
1          1
```

64)
```
       x
      x x x
     x x x x x
    x x x x x x x
   x x x x x x x x x
  x x x x x x x x x x x
 x x x x x x x x x x x x x
```
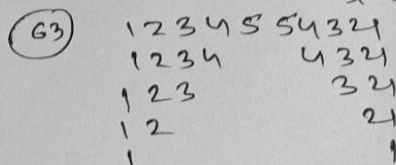
65)
```
    A
   B A B
  C B A B C
 D C B A B C D
E D C B A B C D E
```

66)
```
AAAAAAAAA
 BBBBBBB
  CCCCC
   DDD
    E
   DDD
  CCCCC
 BBBBBBB
AAAAAAAAA
```

67)
```
12          21
123         321
1234      5 321
12345   5 321
1234      321
123       21
12         1
1
```

68)
```
x x x x x
 x x x x
  x x x
   x x
    x
   x x
  x x x
 x x x x
x x x x x
```

69)
```
        1 2
      1    3
    1       4
 1 2 3 4 5
```

70)
```
      x
    x   x
  x       x
 x         x
x x  x  x x
```

71)
```
     5
    4 4
   3 3 3
  2 2 2 2
 1 1 1 1 1
  2 2 2 2
   3 3 3
    4 4
     5
```
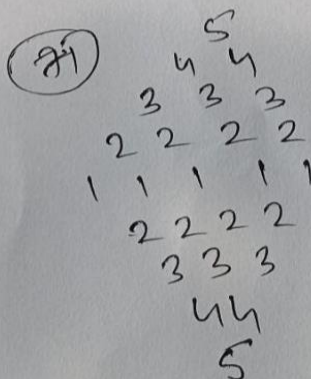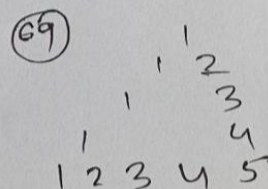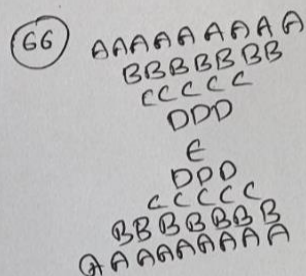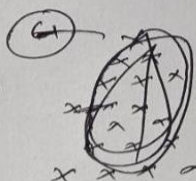
48. s

49. a 50. d

51. Check if the temperature is greater than 30°C:If true: Print "It's hot."
 Else: Check if the temperature is less than 10°C:If true: Print "It's cold." Else: Print "It's a moderate temperature."

52. Input number
Check if the number is divisible by 2
a. If true: Print "The number is even."
b. Else: Print "The number is odd."

53. Checking the Age Group
Check if age is less than 13 If true "Child"
Else if age is between 13 and 19 If true "Teenager"
Else if age is between 20 and 59 If true "Adult"
Else If true Print "Senior"

54. Simple Grading System,
Check if marks are greater than or equal to 90 If true "Grade A"
Else if marks are between 80 and 89 If true "Grade B"
Else if marks are between 70 and 79 If true "Grade C"
 Else if marks are between 60 and 69 If true: "Grade D"
Else If true: Print "Grade F"

55. Determining Leap Year or Not
i. 2305
ii. 2000
iii. 1998
iv.1900

56. W.A.P Check the Largest of Three Numbers
A=20
B=30
C=35

57. W.A.P useing conditional statement check wether the given number prime or not

58.