**Problem solving – Basic Level:**

1 WAP to accept two numbers and print addition, subtraction, multiplication, and division of those two numbers.

2 WAP to accept 3 subjects marks and print total marks and avg marks.

3. WAP to accept salary and 3 shopping bills from user and find

1. total shopping amount

2. find how much % of amount he/she spent on shopping on his salary.

4 WAP to accept basic salary and find gross salary.

Gross\_salary= basic+HRA+DA

DA is 80% on basic

HRA is 76% on basic

5 WAP to accept project marks, internal marks and external marks and find

total marks.

total\_marks= 70% from project+ 20% from external +10% from internal

6 WAP to accept number and check it is +ve or -ve

7 WAP to accept number and check it is Even or odd

8 WAP to accept number and check it is Even or odd or Zero

9 WAP to accept week\_number and print weekday

1 -- monday

2. tuesday

7 sunday

10. WAP to accept basic salary and find gross salary.

Gross\_salary= basic+HRA+DA

if basic salary <10000

DA is 70% on basic

HRA is 65% on basic

basic salary is between 10000 to 20000

DA is 75% on basic

HRA is 73% on basic

basic salary above 20000

DA is 80% on basic

HRA is 76% on basic

11. WAP to accept 3 numbers and find max number

12.WAP to accept units from user and find the bill.

for first 50 units the charges are: 0.75p/u

next 100 units the charges are: 2.10p/u

next 100 units the charges are : 2.50p/u

above 250 units the charges are: 2.80p/u

13. WAP to accept withdraw amount and print number of notes.

consider we have 500, 200 and 100 rupees notes.

14. WAP to accept project marks, external marks, internal marks from student,

--> check if student got pass in project, internal and externals.

Note: pass mark is : 50

--> if student got pass in project, internal and external then find total score.

total\_score= 70% from project+ 20% from external + 10% internal

--> print grades based on total\_score

total\_score >=90 --> A grade

75--90 --> B grade

50- 75 --> C grade

---> print failed subject name along with the score.

15. WAP to accept withdraw amount and print number of notes:

200,100,50,20,10

16. sum of even numbers and sum of odd numbers between 1-n

17. WAP to accept 6 values and find big number.

18. WAP to accept 6 values and find max and second max value

19. WAP to search given element is present in list or not

20. WAP to count number of occurrences of search element.

Sample input:

list=[23,45,56,23,23,90,77]

search elements: 23

Expected output: 3

21. WAP to print following patten.

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

22. WAP to print following patten.

1 0 1 0 1

1 0 1 0 1

1 0 1 0 1

1 0 1 0 1

1 0 1 0 1

23. WAP to print following patten.

1 1 1 1 1

0 0 0 0 0

1 1 1 1 1

0 0 0 0 0

1 1 1 1 1

24. WAP to print following patten.

10 11 12 13 14

15 16 17 18 19

20 21 22 23 24

25 26 27 28 29

30 31 32 33 34

25. WAP to print following patten.

10 11 12 13 14

90 89 88 87 86

15 16 17 18 19

85 84 83 82 81

20 21 22 23 24

26. WAP to print following patten.

Chart, scatter chart

Description automatically generated

27. WAP to print duplicate elements in a given list.

list=[23,45,65,90,45,23]

output: 23 45

28. WAP to print unique elements in a given list

list=[23,45,65,90,45,23]

output: 65 90

29. WAP to print frequency of each element in a given list

Sample input:

list=[23,45,65,90,45,23]

output:

23 frequency is: 2

45 frequency is: 2

65 frequency is: 1

90 frequency is: 1

30. WAP to print sorting order (ASC/DESC) of a given list