

Class : IX

Winter Vacation 2008 Home work

- 1 Write a program to input total amount deposited in a fixed deposited account and total number of years. The program should calculate interest according to the following rates.

Duration	Rate
1 year	14%
2 years	14.5%
3 years	15%
4 years	15.5%

- 2 Write a program to input number of passenger and the destination. The program should display Name, Address, Destination and calculate total bus fare and discount according to the following condition. The rate for different destination is given below:

Destination	Rate
Pokhara	280
Butwal	180
Kohalpur	680

No. of Passenger	Discount
Below 5	No discount
5 or above	5%

- 3 Write a program to find the factorial of a given number [10!=10x9x8x7x6x5x4x3x2x1]

- 4 Write a program to find and print whether the number entered is perfect square or not.

```
CLS
INPUT "Enter a number"; N
SR=SQR(N)
IF SR=N\SR THEN
    PRINT "Perfect Square"
ELSE
    PRINT "Not A Perfect Square"
END IF
END
```

- 5 Write a program to print the highest and lowest numbers among given numbers. Using READ ...
DATA [2,7, 0, -2, 12, 12.5, -1, 11, 6, 10]

- 6 Write a program to convert Decimal number into Hexa-decimal number. The number is supplied by the user.

- 7 Write a program to check whether a supplied number is prime or not.

- 8 Write a program to display following series:

- 1, .03, .005, .0007, .00009
- 2, 3, 5, 8, 12, 17, 23, Up to 15th term
- 1, 8, 27, 64, up to 15th term
- 2, 22, 222, 2222, 22222

- 9 Write a program to display following patterns

- ```
PRINT
 PRINT
 PRINT
 PRINT
 PRINT
```
- ```
REVIEW
  REVIEW
    REVIEW
      REVIEW
        REVIEW
```

10 Write the output of the following:

11. Write down the output of the following program:

```
CLS
m = 21
FOR i = 1 TO 5
  READ n
  IF n MOD 3 <> 0 THEN
    SWAP n, m
    m = m + 2
    d = n MOD 4
    PRINT d ^ 2;
  END IF
NEXT i
DATA 17,15,28,14,25
END
```