Kotlin Basic Practical List

1. Write a program that prints your name and your college name.

2. Write a program that prints your address with name.

3. Write a program that accept two numbers and perform all basic mathematicaloperation and print.

4. Write a program to calculate simple interest.

5. Write a program to calculate compound interest

6. Write a program to calculate 10% bonus of salary.

7. Write a program to convert KM into Meter

8. The distance between two cities is input through keyboard. Write a program to convert and print this distance in feet, meter, inch and centimeter

9. Write a program to find volume of cylinder (v = 3.14r2h )

10. Write a program to calculate area of triangle (a = 1/2hb)

11. Write a program to calculate area and perimeter of the rectangle

12. Write a program to calculate area of circle

13. Write a program to swap two values

14. Write a program to swap two values without using third variable

15. Write a program to read the value of X and Y and print the result of following expression (X+Y)/(X-Y) 16. Write a program to read the value of X and Y and print the result of following expression (X+Y)/2

17. Write a program to read the value of X and Y and print the result of following expression (X+Y)\*(X-Y) 18. Write a program to read the value of X and Y and print the result of following expression 3X2+2XY+3Y2

19. Write a program to read the value of X and Y and print the result of following expression (2X+3Y)/XY 20. Write a program to convert negative to positive and positive to negative

21. Write a program that accept 5 numbers from user and find average of the value

22. Write a program to find out the net salary of an employee and get the basic salary fromhim. Applicable TA 4%, DA 30%, HRA 15% on basic salary. Applicable 3% tax 12% PF on basic salary

23. Write a program to find maximum number from 2 numbers

24. Write a program to find out minimum number from 2 numbers

25. Write a program to find minimum and maximum no from 2 numbers.

26. Write a program to check number is odd or even

27. Write a program that accepts the year from user and check it leap year or not.

28. Write a program to that accept the number from user and check it is divisible by 5 or not.

29. Write a program that accept the number from user and check its negative, positive or zero

30. Write a program input one integer number. Check whether number is equal to 10 ornot.

31. Write a program input one integer number check whether number is in between 0 to100 or not

32. Write a program input one integer number check whether number is four digits or not

33. Write a program input one integer number check whether is greater than 50 and lessthen 200

34. Write a program input one integer number display appropriate day of week.

35. Write a program input one integer number display appropriate name of month

36. Write a program to find out maximum from three number

37. Write a program to find out minimum from three number

38. Enter age of person and display message as Up to 5 year Kid 5- 12 Children 13 – 19 Teenager 20 – 30 Young 31 – 60 Mid age group 60 or above Old

39. Write a program input integer number and select number to perform following task 1 – Addition 2 – Subtraction 3 – Multiplication 4 – Division 5 – Exit

40. Write a program input 5 subject marks and find class and result

41. Write a program to find number which number is divisible by 3 but not divisible by 7

42. Write a program that reads a sales bill amount calculate discount on bill amount asfollows if bill amount less than 5000 calculate 7.5% discount on bill amount otherwise calculate11% discount on bill. Print bill amount discount amount and net payable bill

43. An electric power distribution company charger its domestic customers as follows Consumption unit rate of charge 0 – 200 RS. 0.50 per unit 201 – 400 RS. 100 + RS. 0.65 per unit 401 – 600 RS. 230 + RS. 0.80 per unit 601 and above RS. 390 + RS. 1.00 per unit Read the customer number and power consumed and print the amount to be paid by the customer

44. Get a string from user and display it in upper case

45. Get a string from user and display it in lower case

46. Get a string from user and check it is vowel or consonants

47. Write a program that accept character from keyboard and determine whether the character is a capital letter, small letter, digit or a special character

48. Print 1 to 10

49. Print 2 4 6 8 10

50. Print 1 3 5 7 9

51. Print 1 2 4 8 16 32 64 128 256 512 1024

52. Print 10 to 1 53. Print 1 10 2 9 3 8 4 7 5 6 54. Print 1 2 3 5 6 7 9 -\_ \_ \_ n

55. Input and number display table of that number

56. Print series of 1/1, 1/2, 1/3, \_ \_ \_ 1/N

57. Print series of 1/2, 2/3, 3/4, 4/5, \_ \_ \_ N/N+1

58. Print series 1 + 4 – 9 + 16 – 25 + 36 + \_ \_ \_ + N2

59. Print 0 1 1 2 3 5 8 13 21 34 55 (Fibonacci)

60. Print factorial value of given number

61. Check whether the number is prime or not

62. Print prime number between given range

63. Write program that display square, cubes and factorials of all integer from 1 to 10

64. Display sum of digit

65. Display reverse number

66. Check entered number is Armstrong or not

67. Check entered number is palindrome or not

68. Count odd and even digits from given number

69. Accept number and find how many zeros are there