Ministry of Higher Education
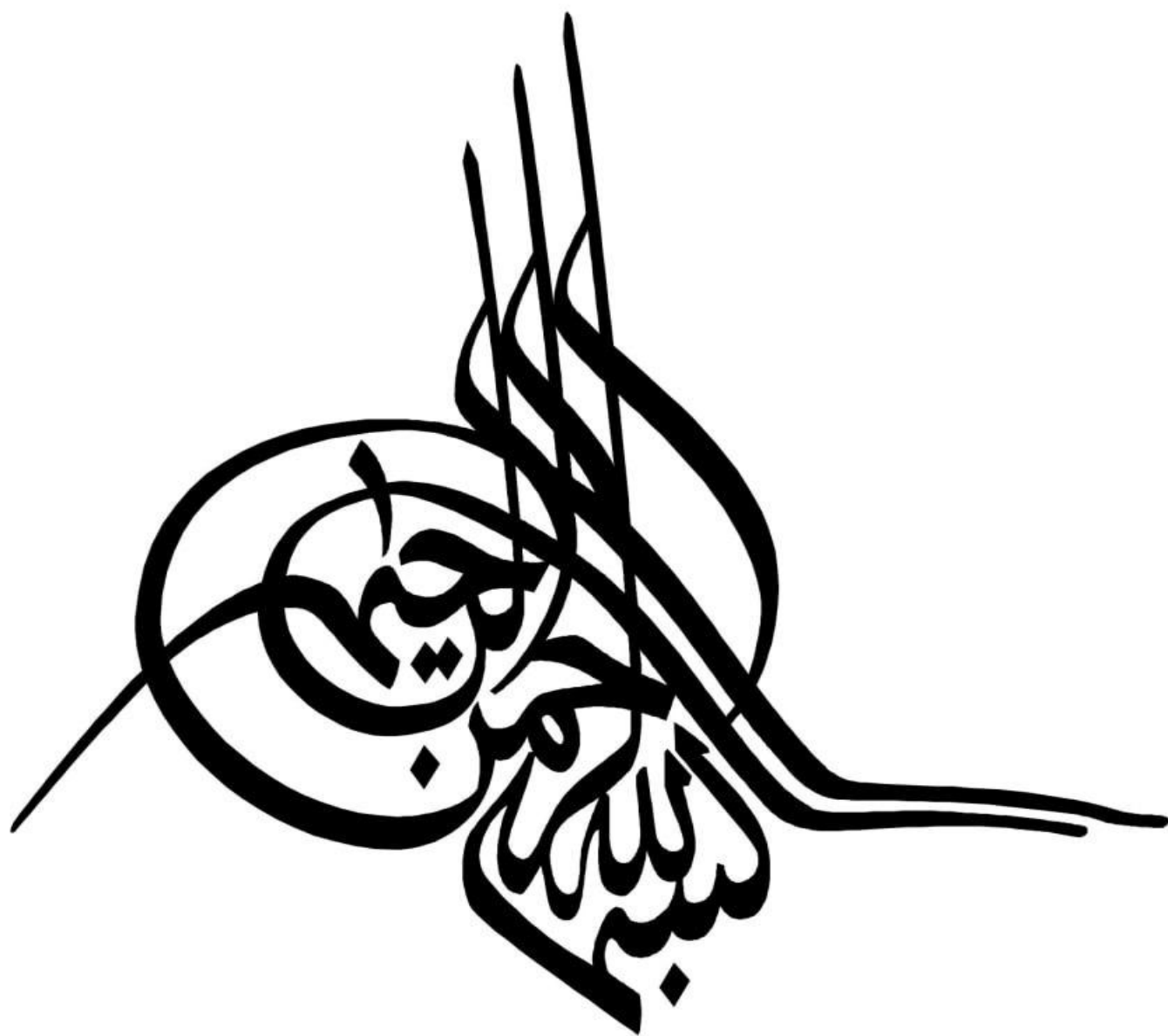
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The second chapter home work of python

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1.Which of the following are invalid identifiers in Python?

a. Total-sum

b. Error

c. Error_count

d. None of these

2. A _____ is a sequence of one or more characters used to provide a name for a given program element

a. Identifier

b. Variable

c. String

d. Character

3. Identify the invalid identifier below

a. _2017discount

b. Profit

c. Total-discount

d. Totaldiscount

4. _____are not allowed as part of an identifier

a. Spaces

b. Numbers

c. Underscore

d. All of these

5._____ Identifiers may contain letters and digits, but cannot begin with a

a. Character

b. Digit

c. Underscore

d. Special Symbols

6.Which is not a reserved keyword in Python?

a. insert

b. except

c. import

d. yield

7. Identify the invalid keyword below.

a. and

b. as

c. while

d. until

8. _____ is an identifier that has predefined meaning.

a. variable

b. identifier

c. keyword

d. None of these

9. Bitwise _____ operator gives 1 if one of the bit is zero and the other is 1.

a. or

b. and

c. xor

d. not

10. Guess the output of the following code ? 1>2 and 9>6

a. True

b. False

c. Machine Dependent

d. Error

11.How many operands are there in the following arithmetic expression?

6*35+8-25

a. 3

b. 4

c. 5

d. 8

12.How many binary operators are there in the following arithmetic expression?

-6+10 / (23+56)

a. 2

b. 3

c. 4

d. 5

13.Which operator returns the remainder of the operands?

a. /

b. //

c. %

d. **

14. A _____ is a name that is associated with a value

a. identifier

b. keyword

c. symbol

d. None of these

15. Guess the output of the following expression .Float (22//3+3/3)

a. 8

b. 8.0

c. -8.3

d. 8.333

16.What value does the following expression evaluate to? 2+9*((3*12) -8) / 10

a. 27

b. 27,2

c. 30.8

d. None of these

17. _____ and _____ are two ways to comment in Python

a. Single and multilevel comments

b. Single line and Double line comments

c. One and many line comments

d. Single line and Multiline comments

18. Single-line comments start with the _____ symbol .

a. *#

b. #

c. *

d. +

19. Multiline comments can be done by adding _____ on each end of the comment .

a. ” ”(triple quote)

b. # (Hash)

c. $ (dollar)

d. % (modulus)

20. Python programs get structured through_____

a. Alignment

b. Indentation

c. Justification

d. None

21. In Python, Indentation is a _____ and not a matter of style .

a. Requirement

b. Refinement

c. Not required

d. Not Refined

22.Which of the following is correct about Python

a. Python is a high-level, interpreted, interactive and object-oriented language

b. Python is designed to be highly readable

c. It uses English keywords frequently and has fewer syntactical constructions

d. All of the above

23. Which of the following function is used to read data from the keyboard .

a. function()

b. str()

c. input()

d. print()

24. The one's complement of 60 is given by _____

a. -61

b. -60

c. -59

d. +59

25. The operators is and is not are _____

a. Identity Operators

b. Comparison Operators

c. Membership Operators

d. Unary Operators

26. In Python an identifier is _____

a. Machine Dependent

b. Keyword

c. Case Sensitive

d. Constant

27. Which of the following operator is truncation division operator?

a. /

b. %

c. |

d. //

28. The expression that requires type conversion when evaluated is _____

a. 4.7*6.3

b. 1.7 % 2

c. 3.4 +4.6

d. 7.9 * 6.3

29. The operator that has the highest precedence is ._____

a. << and >>

b. **

c. +

d. %

30. The expression that results in an error is ._____

a. int('10.8')

b. float(10)

c. int(10)

d. float(10.8)

31. Which of the following expressions is an example of type conversion ?

a. 4.0 + float(3)

b. 5.3 + 6.3

c. 5.0 + 3

d. 3+7

32. What is the output when the following statement is executed ?   >>>print('new' line')

a. Error

b. Output equivalent to print('new\line')

c. New line

d. newline

33. What is the output when the following statement is executed ?   print(0x0 + 0xF + 0xD)

a. Error

b. 0xD0xF0xF

c. 0x22

d. 42

34.)What is the output of print (0.1 + 0 == 0.3) ?

a. True

b. False

c. Error

d. machine dependent

35. Which of the following is not a complex number?

a. 1 = 4 + 5j

b. 1 = complex(4,5)

c. 1 = 4 + 5i

d. 1 + 4 + 5j

36. Guess the output of the expression .

x = 15

y = 12

x & y

a. 1101

b. b1101

c. 0b1101

d. 12

37. Incorrect Indentation results in _____

Indentati Error   .a

b. NameError

c. TypeError

d. SyntaxError

38. The function that converts an integer to a string of one character whose ASCII code is same .
as the integer is_____

a. chr(x)

b. ord(x)

c. eval(x)

d. input(x)

Review Questions

1. Explain different Operators in python with example.

An 1: Arithmetic($+ - * /$),comparison($== != < >$),logical(and , or ,not) ,Bitwise($\& | << >>$)
Assignment($= =+ -=$),etc.

2. Define a variable. How to assign values to them?

Variable is a named placeholder to hold any type of date which the program can use to assigns
and modify during the course of execution.

An2: x = 20 assigns the integer 20 to variable x.

3. Briefly explain binary left shift and binary right shift operators with examples.

An3:

lift shift($<<$):shifts bits to the left and fills 0 on the right. Equivalent to multiplying by 2.

 Right shift ($<<$):shift bits to the right Equivalent to dividing by 2.

   Example: 2 $=1 << 4$,   8 $= 1 >> 4$

4.Explain precedence and associativity of operators with explain.

An4: $* /, + -$

5. outline different assignment operators with example

An5: //,=**,=% ,=/,=%,=*,=-,=+,==

6.briefly explain how to read date from the keyboard.

An6. Use input() function to take input from user.

By default, input is string, so convert if needed.

7. Explain type conversation in python with examples.

An7: implicit conversation: python converts automatically.

Explicit conversation (type casting): done manually.

8. Write a short note on data types in python.

Python has the following main data types:

Numeric types: int ,float, complex

Text types: str

Set types: set , frozenset

Boolean type: bool

9.program to read two integers and perform arithmetic operations .

#9: