ASSIGHTMENT NO 02

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Q.1 public class Main { public void main(String[] args)

{

System.out.println("Hello, World!"); }

}

ANS: - the main method was not declared as static. Without the static keyword

Q2 public class Main {

public static int main(String[] args) {

System.out.println("Hello, World!");

return 0;

}

}

Ans:- the main method is expected to have a void return type.

Q3. public class Main {

public static void main() {

System.out.println("Hello, World!");

}

}

ANS:- The String[] args parameter is required

Q4. public class Main {

public static void main(String[] args) {

System.out.println("Main method with String[] args"); }

public static void main(int[] args) {

System.out.println("Overloaded main method with int[] args");

}

}

ANS:- You can have multiple main methods

Q5. public class Main {

public static void main(String[] args) {

int x = y + 10;

System.out.println(x);

}

}

ANS:- y cannot be resolved to a variable.

Q6. public class Main {

public static void main(String[] args) {

int x = "Hello";

System.out.println(x);

}

}

ANS:- Type mismatch: cannot convert from String to int

Q7. public class Main {

public static void main(String[] args) {

System.out.println("Hello, World!"

}

}

ANS:- missing closing parenthesis ) and semicolon ;

Q8. public class Main {

public static void main(String[] args) {

int class = 10;

System.out.println(class);

}

ANS:- Syntax error on token "class".

Q9. public class Main {

public void display() {

System.out.println("No parameters");

}

public void display(int num) {

System.out.println("With parameter: " + num);

}

public static void main(String[] args) {

display();

display(5);

}

}

ANS:- Cannot make a static reference to the non-static method display().

Q10. public class Main {

public static void main(String[] args) {

int[] arr = {1, 2, 3};

System.out.println(arr[5]);

}

}

ANS:- Array Index Out Of Bounds Exception.

Q11. public class Main {

public static void main(String[] args) {

while (true) {

System.out.println("Infinite Loop");

}

}

ANS:- continuously printing Infinite Loop

Q12. public class Main {

public static void main(String[] args) {

String str = null;

System.out.println(str.length());

}

}

ANS:- call length() on a null reference

Q13. public class Main {

public static void main(String[] args) {

double num = "Hello";

System.out.println(num);

}

}

ANS:- cannot convert from String to double.

Q14. public class Main {

public static void main(String[] args) {

int num1 = 10;

double num2 = 5.5;

int result = num1 + num2;

System.out.println(result);

}

}

ANS:- cannot convert from double to int.

Q15. public class Main {

public static void main(String[] args) {

int num = 10;

double result = num / 4;

System.out.println(result);

Q16. public class Main {

public static void main(String[] args) {

int a = 10;

int b = 5;

int result = a \*\* b;

System.out.println(result);

}

}

ANS:-A\*\*B

Q17. public class Main {

public static void main(String[] args) {

int a = 10;

int b = 5;

int result = a + b \* 2;

System.out.println(result);

}

}

ANS:-20 O/P

Q18. public class Main {

public static void main(String[] args) {

int a = 10;

int b = 0;

int result = a / b;

System.out.println(result);

}

}

ANS:- runtime error

Q19. public class Main {

public static void main(String[] args) {

System.out.println("Hello, World")

}

}

ANS:- ‘;’ missing

Q20. public class Main {

public static void main(String[] args) {

System.out.println("Hello, World!");

// Missing closing brace here

}

ANS:- Missing closing brace here