**Core Java Assignment 5**

**Question 1:**

|  |
| --- |
| import java.lang.reflect.Array;  public class Generic3 { |
|  |
| public static void main(String[] args) { |
| Integer arr[] = {10,20}; |
|  |
|  |
| System.out.println("Before Exchange : " + arr[0] +" "+arr[1]); |
|  |
| System.out.print("After Exchange : " ); |
|  |
| exchangeArrNum(arr); |
|  |
| } |
|  |
| public static <E> Void exchangeArrNum(E[] arr ) { |
|  |
| E temp= arr[1]; |
| arr[1] = arr[0]; |
| arr[0]= temp; |
| System.out.println(arr[0]+ " " + arr[1]); |
| return null; |
|  |
| } |
|  |
| } |

**Question 2:**

|  |
| --- |
|  |
|  |  |
|  | import java.util.\*;  public class RandomVal { |
|  |  |
|  | public static void main(String[] args) { |
|  | // TODO Auto-generated method stub |
|  | Random rand=new Random(); |
|  | HashMap<Integer,Double> hash=new HashMap<Integer,Double>(10); |
|  | hash.put(20,30.83); |
|  | hash.put(22,31.09); |
|  | hash.put(21,32.83); |
|  | hash.put(24,33.83); |
|  | hash.put(25,34.83); |
|  | hash.put(26,35.83); |
|  | hash.put(27,36.83); |
|  | hash.put(28,37.83); |
|  | hash.put(29,38.83); |
|  | hash.put(30,39.83); |
|  | System.out.println(hash); |
|  | } |
|  |  |
|  | } |
|  |  |

**Question 3:**

|  |  |
| --- | --- |
|  | public class Pair<T> {  private String key; |
|  | private T value; |
|  |  |
|  | public void setKey(String key) { |
|  | this.key=key; |
|  | System.out.println(this.key); |
|  | } |
|  | public void setValue(T value) { |
|  | this.value=value; |
|  | System.out.println(this.value); |
|  | } |
|  | } |

**Question 4:**

public class gen {

|  |
| --- |
|  |
|  | public static void main(String[] args) {  // TODO Auto-generated method stub |
|  | Pair p=new Pair(); |
|  | p.setKey("1"); |
|  | p.setValue("Value"); |
|  | System.out.println("-------------------------------------------------"); |
|  | p.setKey("Today is: "); |
|  | p.setValue(new java.util.Date()); |
|  |  |
|  | } |
|  |  |
|  | } |

|  |
| --- |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |

|  |
| --- |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |