1.) Package Paket 1;

a. Public class Animal {
       Public String nama;
       Public String makan;
       Public String habitat;

   Public String kuda (String nama){
        this.nama = nama;
        return this.nama;
   }
Public String kuda(String Makan, String habitat) {
        this.makan = makan;
        this.habitat = habitat;
        return this.makan + this.habitat;

   }
}

   Package paket 2;

b. Public class Horse extends Animal {

       @Override
       Public String kuda (String nama) {
            this.nama = nama;
            return this.nama;
       }
   @Override
   Public String kuda (String makan , String habitat) {
        this.makan = makan;
        this.habitat = habitat;
        return this.makan + this.habitat;

       }
   Public static void main (String [] args) {
        Horse a = new Horse ();
        System.out.PrintIn ("Nama: " + a.kuda (" Jourgen"));
        System.out.PrintIn (" Makan dan Tinggal: " + a.kuda ("Rumput,
                          dan Ladang"));

       }
   }
}

Output:
Nama : Jourgen
Makan dan Tinggal : Rumput dan Ladang

2.) Package paket2;
Public abstract class Member {

a.
    Public abstract String Presence ();
    Public abstract String information ();

    Public String Park () {
        return Presence () + information ();
    }
}

Package paket2;
b. Public class MainMember extends Member {

    @Override
    Public String Presence () {
        String Presence = "Hadir, ";
        return Presence;
    }
    @Override
    Public String information() {
        String information = "Daffa Putra Alwansyah";
        return information;
    }
    Public static void main (String [] args) {
        MainMember a = new MainMember ();
        System.out.println (a. Park ());
    }
}

Output:
Hadir, Daffa Putra Alwansyah

```
3) a. Package paket3;
      interface Action {
          Public void Move();
      }

   b. Package paket3;
      interface Walk extends Action {
          String [] action = {"forward", "backward", "left", "right"};
          Public void SpeedUp();

      }

   c. Package paket3;
      Public class Player implements Walk {

          @Override
          Public void Move() {
              System.out.Println("Move " + action[0] + "\nMove " + action[1]
                  + "\nMove " + action[2] + "\nMove " +
                  action[3]);

          }
          @Override
          Public void SpeedUp() {
              System.out.Println ("Player can move: ");

          }
          Public Static void main (String [] args) {
              Player a = new Player();
              a. SpeedUp();
              a. Move ();

          }
      }
```

Output:
Player can move:
Move forward
Move backward
Move left
Move right

4)

a.

```java
Package4;

Public class Outer {
    Public String code = "Nim : L200lg0031";
    Public static int count;

    Outer() {
        count += 1;
        System.out.println("Outer : " + count);
    }

    Class Inner {
        String inner = "this is Inner Class";
        String inner() {
            return Code;
        }
    }

    static Class Nested {
        String nested = "this is Nested Class";
        int nested() {
            return count;
        }
    }
}
```

b.

```java
Package4;
Public class DemoOuter {
    Public static void main(String[] args) {
        Outer outerObj = new Outer();
        Outer.Inner innerObj = outerObj.new Inner();
        Outer.Nested nesterObj = new Outer.Nested();

        System.out.println(outerObj.code);
        System.out.println(innerObj.inner);
        System.out.println(nestedObj.nested);
    }
}
```

Output:
```
outter : 1
NIM : L200lg00 31
this is Inner Class
this is Nested Class
```

```
5.) a.  JTextArea a = new JTextArea (" L20019oo31 ");
        String nim = a.getText();

    b.  JLabel lb = new JLabel (nim);
```