**Tugas Pertama**

1. Memberikan metode overloading dan overriding di dalam program studi kasus!

**Jawaban**

**Source Code**

* Class induk.java

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| 1. **package** main; 2. **import** java.util.Date; 4. **public** **class** induk { 5. **public String nama, npm, nomor, password, kelas, hari, sesi, waktu, nip;** 6. **public** **int** indexdosen, indexkursus; 7. **public** Date tanggalLahir; 9. **public** String getNama() { 10. **return nama;** 11. } 12. **public** String getNpm() { 13. **return** npm; 14. } 15. **public String getNomor() {** 16. **return** nomor; 17. } 18. **public** String getPassword() { 19. **return** password; 20. **}** 21. **public** String getKelas() { 22. **return** kelas; 23. } 24. **public** String getHari() { 25. **return hari;** 26. } 27. **public** String getSesi() { 28. **return** sesi; 29. } 30. **public String getWaktu() {** 31. **return** waktu; 32. } 33. **public** Date getTanggalLahir() { 34. **return** tanggalLahir; 35. **}** 36. **public** **int** getIndexdosen() { 37. **return** indexdosen; 38. } 39. **public** **int** getIndexkursus() { 40. **return indexkursus;** 41. } 42. } |

* Class akun.java

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| 1. **package** main; 2. **import** main.induk; 3. **import** java.util.Date; 5. **public class akun extends induk{** 6. **public** akun(String nama, String npm, String nomor, String password, Date tanggalLahir, String kelas, String hari, String sesi, String waktu, **int** indexdosen, **int** indexkursus) { 7. **super**.nama = nama; 8. **super**.npm = npm; 9. **super**.nomor = nomor; 10. **super.password = password;** 11. **super**.kelas = kelas; 12. **super**.hari = hari; 13. **super**.sesi = sesi; 14. **super**.waktu = waktu; 15. **super.tanggalLahir = tanggalLahir;** 16. **super**.indexdosen = indexdosen; 17. **super**.indexkursus = indexkursus; 18. } 19. @Override 21. **public** String getNama() { 22. **return** **super**.getNama(); 23. } 24. **public** **void** setNama(){ 25. **this.nama = nama;** 26. } 28. **public** **void** setNama(String nama) { 29. **this**.nama = nama; 30. **}** 32. @Override 33. **public** String getNpm() { 34. **return** **super**.getNpm(); 35. **}** 37. **public** **void** setNpm(String npm) { 38. **this**.npm = npm; 39. } 41. @Override 42. **public** String getNomor() { 43. **return** **super**.getNomor(); 44. } 46. **public** **void** setNomor(String nomor) { 47. **this**.nomor = nomor; 48. } 50. **@Override** 51. **public** String getPassword() { 52. **return** **super**.getPassword(); 53. } 55. **public void setPassword(String password) {** 56. **this**.password = password; 57. } 59. @Override 60. **public String getKelas() {** 61. **return** **super**.getKelas(); 62. } 64. **public** **void** setKelas(String kelas) { 65. **this.kelas = kelas;** 66. } 68. @Override 69. **public** String getHari() { 70. **return super.getHari();** 71. } 73. **public** **void** setHari(String hari) { 74. **this**.hari = hari; 75. **}** 77. @Override 78. **public** String getSesi() { 79. **return** **super**.getSesi(); 80. **}** 82. **public** **void** setSesi(String sesi) { 83. **this**.sesi = sesi; 84. } 86. @Override 87. **public** String getWaktu() { 88. **return** **super**.getWaktu(); 89. } 91. **public** **void** setWaktu(String waktu) { 92. **this**.waktu = waktu; 93. } 95. **@Override** 96. **public** Date getTanggalLahir() { 97. **return** **super**.getTanggalLahir(); 98. } 100. **public void setTanggalLahir(Date tanggalLahir) {** 101. **this**.tanggalLahir = tanggalLahir; 102. } 104. @Override 105. **public int getIndexdosen() {** 106. **return** **super**.getIndexdosen() 107. ; 108. } 110. **public void setIndexdosen(int indexdosen) {** 111. **this**.indexdosen = indexdosen; 112. } 114. @Override 115. **public int getIndexkursus() {** 116. **return** **super**.getIndexkursus(); 117. } 119. **public** **void** setIndexkursus(**int** indexkursus) { 120. **this.indexkursus = indexkursus;** 121. } 122. } |

**Output Program**

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