DHT11 SICAKLIK VE NEM SENSÖRÜ DATA=16 bits RH data+16 bits Temperature data+8 bits check-sum Example: MCU has received 40 bits data from DHT11 as 0001 1010 0000 0000 0000 0000 0010 0001 0011 1011 Integral part of RH Decimal part of RH Integral part of T Decimal part of T check sum Remarks: The decimal part of RH and T is always 0000 0000. Here we convert integral part of RH from binary system to decimal system, $0010\ 0001$ $\rightarrow 33$ Binary system Decimal system, RH=33%RH Here we convert integral part of T from binary system to decimal system, $0001\ 1010 \rightarrow 26$ Binary system Decimal system, T=26 Celsius Sum=0010 0001+0000 0000+0001 1010+0000 0000=0011 1011 Check-sum=the last 8 bits of Sum=0011 1011