Ex2. Explain the differences between the S and SB instruction formats.

1. **S-format instructions**
- S-format instructions is used for "Store" instructions (data is written into memory).

- 3 instructions: sb (store byte), sh (store half) and sw (store word).

- Core of S instruction formats:

imm[11:5]	rs2	rs1	funct3	imm[4:0]	opcode

- Immediate is used as an offset.

2. **SB-format instructions (B-format instructions)**
- B-format instructions is used for "Branch" instructions (jump to different part of the code).

- 6 instructions: beq, bne, blt, bge, bltu and bgeu.

- Core of B instruction formats:

imm[12|10:5]	rs2	rs1	funct3	imm[4:1|11]	opcode

- Immediate is used as a branch offset.