```
            data_array[count] = data;
            count++;
        }

        /* Selecting heater control for the sensor */
        if (desired_settings & BME680_HCNTRL_SEL) {
            rslt = boundary_check(&dev->gas_sett.heatr_ctrl, BME680_ENABLE_HEATER,
                BME680_DISABLE_HEATER, dev);
            reg_addr = BME680_CONF_HEAT_CTRL_ADDR;

            if (rslt == BME680_OK)
                rslt = bme680_get_regs(reg_addr, &data, 1, dev);
            data = BME680_SET_BITS_POS_0(data, BME680_HCTRL, dev->gas_sett.heatr_ctrl);

            reg_array[count] = reg_addr; /* Append configuration */
            data_array[count] = data;
            count++;
        }

        /* Selecting heater T,P oversampling for the sensor */
        if (desired_settings & (BME680_OST_SEL | BME680_OSP_SEL)) {
            rslt = boundary_check(&dev->tph_sett.os_temp, BME680_OS_NONE, BME680_OS_16X, dev);
            reg_addr = BME680_CONF_T_P_MODE_ADDR;

            if (rslt == BME680_OK)
                rslt = bme680_get_regs(reg_addr, &data, 1, dev);

            if (desired_settings & BME680_OST_SEL)
                data = BME680_SET_BITS(data, BME680_OST, dev->tph_sett.os_temp);

            if (desired_settings & BME680_OSP_SEL)
                data = BME680_SET_BITS(data, BME680_OSP, dev->tph_sett.os_pres);

            reg_array[count] = reg_addr;
            data_array[count] = data;
            count++;
        }
```