

OS & SP - ASSIGNMENT - DAY 9

1. Write a program to demonstrate logical address and physical addresses are different using fork and pointers.

Take a pointer and allocate some memory.

After fork store different data in parent and child.

Print data and address in parent and child and observe the results.

2. A. Write a program to define a RECORD structure and then create NRECORDS versions each recording their number and appended to the file records.dat.

```
Struct RECORD{
```

```
Int integer;
```

```
Char string[24];
```

```
};
```

```
#define NRECORDS (100)
```

- B. Change the integer value of record 43 to 143 and write this to the 43 rd record's string.

- C. Map the records into memory and access the 43 rd record in order to change the integer to 243 (and update the record string), again using memory mapping.