Lab 10

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| #include <stdio.h>  int main() {  int ms, ps, nop, np, rempages, i, j, x, y, pa, offset;  int s[10], fno[10][20];  printf("\nEnter the memory size: ");  scanf("%d", &ms);  printf("Enter the page size: ");  scanf("%d", &ps);  nop = ms / ps;  printf("The number of pages available in memory are: %d\n", nop);  printf("Enter number of processes: ");  scanf("%d", &np);  rempages = nop;  for (i = 1; i <= np; i++) {  printf("\nEnter number of pages required for p[%d]: ", i);  scanf("%d", &s[i]);  if (s[i] > rempages) {  printf("Memory is Full\n");  break;  }  rempages = rempages - s[i];  printf("Enter page table for p[%d]:\n", i);  for (j = 0; j < s[i]; j++) {  printf("Page %d ? Frame: ", j);  scanf("%d", &fno[i][j]);  }  }  printf("\nEnter Logical Address to find Physical Address");  printf("\nEnter process number, page number, and offset: ");  scanf("%d %d %d", &x, &y, &offset);  if (x > np || y >= s[x] || offset >= ps) {  printf("Invalid Process or Page Number or Offset\n");  } else {  pa = fno[x][y] \* ps + offset;  printf("The Physical Address is: %d\n", pa);  }  return 0;  } |

