(20 pts) 22. Consider a magnetic tape (number 12) containing records with the following layout:

Positions	Variable Name	Description
1-6	ID	Identification Number
7-30	(provide your own)	Employee Name (Alpha numeric)
31-33	IDPT	Department Number
34	KSX	Sex Code (Female=1, Male=2)
35-36	NX	Number of exemptions
37-41	EARN	Weekly earnings (XXX$\wedge$XX)

Write a complete FORTRAN program to read these records from tape number 12 and copy on tape number 14 those records for females with weekly earnings less than 500.00 per week. Be sure and terminate this program properly. (You may want to prepare a program flow chart before writing this program.)