Q. Write a C/C++ POSIX compliant program that prints the POSIX defined configuration options supported on any given system using feature test macros

PROGRAM:

#define \_POSIX\_SOURCE

#define \_POSIX\_C\_SOURCE 199309L

#include "iostream"

#include<unistd.h>

using namespace std;

int main()

{

#ifdef \_POSIX\_JOB\_CONTROL

cout<<"System supports POSIX job control:"<<\_POSIX\_JOB\_CONTROL<<endl;

#else

cout<<"System does not support POSIX job control"<<endl;

#endif

#ifdef \_POSIX\_SAVED\_IDS

cout<<"System supports saved set UID and GID:"<<\_POSIX\_SAVED\_IDS<<endl;

#else

cout<<"System does not support saved set GID and UID"<<endl;

#endif

#ifdef \_POSIX\_CHOWN\_RESTRICTED

cout<<"Chown restricted option is :"<<\_POSIX\_CHOWN\_RESTRICTED<<endl;

#else

cout<<"Chown Restricted not defined"<<endl;

#endif

#ifdef \_POSIX\_NO\_TRUNC

cout<<"Truncation option is :"<<\_POSIX\_NO\_TRUNC<<endl;

#else

cout<<"Truncation Option not defined"<<endl;

#endif

#ifdef \_POSIX\_VDISABLE

cout<<"disable char for terminal files"<<\_POSIX\_VDISABLE<<endl;

#else

cout<<"char for terminal device files will not be diasbled"<<endl;

#endif

return 0;

}

OUTPUT:

