

Help

```

#include "std2d.h"

extern char* path_sep;
extern char **error_msg;

int OPT(Get)(int user,Planning *pt_plan,Option *
    opt)
{
    TYPEOPT* pt=( TYPEOPT*)(opt->TypeOpt);

    (opt->Init)(opt);

    if (user==TOSCREEN)
        if ((opt->Show)(user,pt_plan,opt))
            do
            {
                Fprintf(TOSCREEN,"_____
                -----Option:%s{n",opt->Name);

                ScanVar(pt_plan,user,&(pt->Maturi
ty));
                GetParVar(pt_plan,user,(pt->PayOf
f.Val.V_NUMFUNC_2)->Par);
            }
            while ((opt->Show)(user,pt_plan,opt))
        ;

    return (opt->Show)(TOSCREENANDFILE,pt_plan,
    opt);
}

int OPT(Show)(int user,Planning *pt_plan,Option *
    opt)
{
    TYPEOPT* pt=(TYPEOPT*)(opt->TypeOpt);

    (void)(opt->Init)(opt);
    Fprintf(user,"##Option:%s{n",opt->Name);

    PrintVar(pt_plan,user,&(pt->Maturity));

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    ShowParVar(pt_plan,user,(pt->PayOff.Val.V_
    NUMFUNC_2)->Par);

    return (opt->Check)(user,pt_plan,opt);
}

int OPT(Check)(int user,Planning *pt_plan,Option
    *opt)
{
    TYPEOPT* pt=(TYPEOPT*)(opt->TypeOpt);
    int status=OK;
    char helpfile[MAX_PATH_LEN]="";

    if ((strlen(opt->Name)+strlen(opt->ID)+strlen(
        "{{opt{{" +strlen("{{"
        +strlen("_doc.pdf"))>=MAX_PATH_LEN)
    {
        Fprintf(TOSCREEN,"%s\n",error_msg[PATH_TOO_
        LONG]);
        exit(WRONG);
    }

    strcpy(helpfile,path_sep);
    strcat(helpfile,"opt");
    strcat(helpfile,path_sep);

    strcat(helpfile,opt->ID);
    strcat(helpfile,path_sep);

    strcat(helpfile,opt->Name);
    strcat(helpfile,"_doc.pdf");

    status+=ChkVar(pt_plan,&(pt->Maturity));
    status+=(pt->PayOff.Val.V_NUMFUNC_2)->Check)
        (user,pt_plan,pt->PayOff.Val.V_NUMFUNC_2);

    return Valid(user,status,helpfile);
}

extern Option OPT(BestOfEuro);
extern Option OPT(CallMaximumAmer);

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```
extern Option OPT(CallMaximumEuro);
extern Option OPT(ExchangeAmer);
extern Option OPT(ExchangeEuro);
extern Option OPT(PutMinimumAmer);
extern Option OPT(PutMinimumEuro);
extern Option OPT(BestOfAmer);

Option* OPT(family)[]={
    &OPT(BestOfEuro),
    &OPT(CallMaximumEuro),
    &OPT(PutMinimumEuro),
    &OPT(ExchangeEuro),
    &OPT(BestOfAmer),
    &OPT(CallMaximumAmer),
    &OPT(PutMinimumAmer),
    &OPT(ExchangeAmer),
    NULL
};
```

References